PRWRA Form Com. No. 103
C. N. 84-0398

September 29, 1959
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RATE SCHEDULES

FOR THE

SALE OF ELECTRIC SERVICE

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Part I – General Terms & Conditions

Part II – Revenue Stabilization Plan

Part III – Rate Schedules

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Puerto Rico Water Resources Authority

PART I

GENERAL TERMS AND CONDITIONS

SECTION 1—APPLICATIONS FOR SERVICE

(a) General.
(b) Line extensions.
(c) Temporary service.
(d) Seasonal service.
(e) Standy, Auxiliary or Breakdown Service.
(f) Exclusive use of transformers.
(g) Deposits.
(h) Delay in making service connections.
(i) Power not for resale.
(j) Districts of the Authority.

SECTION 2—DELIVERY AND MEASUREMENT OF ELECTRIC POWER

(a) Point of delivery.
(b) Electrical measurements.
(c) Meter tests.
(d) Duplicate feeders.

SECTION 3—CUSTOMER'S LINE AND EQUIPMENT

(a) General.
(b) Inspections.
(c) Right of access.

SECTION 4—CONNECTED LOAD

(a) Determination of connected load.
(b) Increases in connected load.
(c) Balancing of load.
(d) Fluorescent or Gaseous Tube Lighting.

SECTION 5—USE OF ELECTRIC SERVICE BY CUSTOMERS

(a) General.
(b) Voltage fluctuations caused by customer.
(c) Radio interference.
(d) Limitation of starting current.
(e) Customer's responsability for Authority's property.

SECTION 6—PAYMENT OF ELECTRIC SERVICE

(a) When payable.
(b) Rate changes.
(c) Ajustment for interruptions.

SECTION 7—INTERRUPTION OF SERVICE

(a) General.

SECTION 8—GENERAL PROVISIONS

(a) Notice of trouble.
(b) Employees of the Authority.
(c) Other provisions.
(d) Conflict.

PUERTO RICO WATER RESOURCES AUTHORITY

General Terms and Conditions

All purchases of electric service under all rate schedules are subject to the following General Terms and Conditions:

SECTION 1—APPLICATIONS FOR SERVICE

(a) General—Electric service under any of the rate schedules for Residential, Commercial and Industrial power customers (secondary voltage service), is available on the filling out and the signing of the Authority's regular "Application for Service", if the prospective customer is within the distribution area of the Authority, if there is capacity available in the Authority's lines and equipment, and if no extension of the system is necesary. Acceptance of applications of customers outside of the distribution area of the Authority are subject to the terms of paragraph (b) below.

Electric Service under the rate schedules for public lighting and for primary distribution voltage and secondary transmission voltage customers is available on contract for not less than one (1) year.

(b) Line Extensions—The Authority may accept an "Application for Service" or enter into a Contract with any prospective secondary voltage service customer whose premises are outside of the Authority's network of distribution lines for the sale of electric power under the following conditions:

If the Authority is satisfied that the amount of power to be used will justify the construction of a line to the point of delivery and the installation of a suitable transformer and meter by the Authority, the cost of the said line and of the said transformer and meter shall be borne by the Authority, provided the customer will obtain for or grant to the Authority an easement, if needed, for the extension of such line by the Authority and extension thereof in the future over the customer's premises.

If the Authority is no satisfied that the estimate of the amount of power to be used will justify the construction of a line to the point of delivery and the installation of a suitable transformer and meter by the Authority, the Authority shall require the payment of a minimum monthly bill that will justify the required investment, or the payment of an equitable portion of the construction of the said line and of the cost of installation of the said transformer and meter; Provided, however, that the line, transformer and meter shall always be and remain the property of the Authority, and that the customer will obtain for or grant to the Authority an easement, if needed, for the extension of such line by the Authority as well as any extension thereof to supply other customers.

(c) **Temporary Service**—Customers of temporary electric service (for a period of less than twelve (12) (months) shall be required to pay for the cost of installing and removing all equipment and connections required to render such service, including meters and 10% of cost of materials. Charges for electric service shall be in accordance with rates specified in the rate schedule that applies to the type of service rendered. Seasonal service shall not be classed as temporary service.

(d) **Seasonal Service**—Seasonal customers, or seasonal consumption customers, as used in the Authority's rate schedules, shall be understood to be customers whose electric requiirements occur periodically, or more or less at regular seasons, during the year. Charges for such service shall be in accordance with the rates specified in rate schedule that applies to the type of service rendered, except that the minimum bill shall be computed as follows: Minimum monthly bill x 12/ Number of months in season. The months comprising the regular season shall be defined for each particular industry and will remain the same every year. Electric service will not be supplied by the Authority during the off-season months and the transformers and other equipment necesary for normally supplying such service shall be disconnected from the lines of the Authority.

(e) **Standby, Auxiliary or Breakdown Service**—Agricultural, industrial, or commercial customers (except sugar mills that take all their off season requirements from the Authority) who may want electric service to supplement seasonal or by-product generation of electric energy, or for other purposes, may contract for such service under Rate Schedule SP-11 only. The Authority is not obligated to supply or maintain standby, auxiliary or breakdown service unless a contract for this service has been previosly signed by the customers. In case a regular customer of the Authority elects to install his own generating facilities the Authority shall discontinue service unless a standby contract is signed within ten days of such installation or purchase.

(f) **Exclusive Use of Transformers**—Secondary voltage service customers requesting the installation of one or more transformers, for their own exclusive use shall pay $0.40 per month per KVA of installed transformer capacity in addition to all other charges provided for in the applicable rate schedule.

(g) **Deposits**—The Authority reserves the right to requiere from each customers a deposit in an amount approximating two months estimated bill. Interest shall be paid on said deposit at the rate of three per cent (3%) per annum, except when the deposit is retained for a period of less than six (6) months for which no interest shall be paid.

(h) **Delay in Making Service Connections**—The Authority shall endeavor to make service connections and begin rendering the service requested by the customers as promptly as circumstances will permit, but shall no be liable for any delay in making such connections.

(i) **Power Not for Resale**—With the exception of authorized municipal franchise holders, customers shall not be permitted to dispose of the power taken under their Application or Contract for resale to any other party or to the general public.

There shall be no sub-metering for resale, or allocation of energy cost, such as in mutliple dwelling units where the dwelling units are combined and fed through one meter.

(j) **Districts of the Authority**—The Districts of the Puerto Rico Water Resources Authority, as used in the Rate Schedules, of which these General Terms and Conditions are a part, include the following municipalities:

SAN JUAN	CAGUAS	GUAYAMA	PONCE	
Bayamón	Aguas Buenas	Arroyo	Guánica	
Carolina	Caguas	Coamo	Guayanilla	
Cataño	Cayey	Guayama	Peñuelas	
Guaynabo	Cidra	Juana Díaz	Ponce	
San Juan	Gurabo	Maunabo	Yauco	
Trujillo Alto	Juncos	Patillas		
	San Lorenzo	Salinas	VEGA BAJA	
FAJARDO		Santa Isabel		
	MAYAGUEZ	Villalba	Aibonito	
Ceiba			Barranquitas	
Fajardo	Añasco	ARECIBO	Comerío	AGUADILLA
Humacao	Cabo Rojo		Corozal	
Las Piedras	Hormigueros	Adjuntas	Dorado	Aguada
Loíza	Las Marías	Arecibo	Naranjito	Camuy
Luquillo	Lajas	Barceloneta	Orocovis	Hatillo
Naguabo	Lares	Ciales	Toa Alta	Isabela
Río Grande	Maricao	Jayuya	Toa Baja	Quebradillas
Yabucoa	Mayagüez	Manatí	Vega Alta	Moca
	Sabana Grande	Morovis	Vega Baja	Rincón
	San Germán	Utuado		

Changes to another district of towns comprising any particular district, and increases and reductions in the number of districts, may be made at any time when necessary for the best operation and management of the Authority.

SECTION 2—DELIVERY AND MEASUREMENT OF ELECTRIC POWER

(a) **Point of Delivery**—The Point of delivery is defined as the point or place at which the Authority delivers, to the customer, the electric power used by him, as shown below:

Electric power supply to municipal franchise holders for distribution in urban areas will be delivered at or near the outer boundaries of the urban zone of the municipalities.

Electric Power supply to primary distribution voltage and secondary transmission voltage customers will be delivered at a point on the primary distributions or secondary transmission line of the Authority, as the case may be. The Authority will install, at its own cost, the necessary protective equipment to prevent defects in the customer's installation causing interruption of service in the Authority's system. The cost of the line connecting the customer s plant to said protective equipment shall be paid by the customers, and all such facilties shall be maintained by him.

Electric power furnished to secondary voltage service customers will be delivered at the customer's end of the service drop, as defined by the National Electrical Code of 1951.

All underground services shall be furnished by the customer and the point of delivery shall be considered to be the point where the underground services connect to the secondary lines of the Authority.

(b) Electrical Measurements—Demand and energy measurement shall be made by suitable instruments at the point of delivery, or at the option of the Authority, may be at some other nearby point where facilities may be more readily installed. The Authority shall, without charge to the customer, (except for temporary service) install and maintain meters for measuring the amount of energy furnished to customers and the maximum demand, where the terms of the rate schedule require such measurements: **Provided, however,** that should these meters fail, or be found inaccurate, the amount of energy delivered and the maximum demand will be estimated by the Authority from the best information available. The customer shall, and hereby does, permit the use of his housing and other facilities for the Authority's metering equipment.

(c) Meters Tests—The Authority shall exercise due care to have all meters at customer's installations function correctly; and, in addition to the general inspection which is periodically made to determine the condition of all meters, it shall test, at its own initiative, any meter which may appear out of adjustment. When the customer question the correctness of any meter and requests that it be tested, his request shall be complied with on condition that if the meter is found to be out of adjustment the cost of the test shall be borne by the Authority, but if the meter is found to be correct, within the limit stipulated by law, a charge of one dollar shall be paid by the customer.

(d) Duplicated Feeders—In the event that a customer should desire to increase the reliabity of his service beyond that normally provided for by

one service drop, or one point of delivery for primary voltage customers, double feed from the line of the Authority may be available on the condition that the customer pay all the expenses of installing such alternate connection, and further, that the meters be so installed or correct so as to include all the losses between the points of delivery and customer's installation.

SECTION 3—CUSTOMER'S LINES AND EQUIPMENT

(a) General—All lines, substation and other electrical equipment from the point of delivery, with the exception of the metering equipment installed by the Authority, shall be furnished, installed, and maintained by the customer.

All lines and equipment of the customer must conform to accepted modern practice, as exemplified by the requirement of the National Electrical Safety Code, and the National Electrical Code, and to such Insular and Local regulations as may apply.

(b) Inspection—The Authority shall have the right, but shall not be obligated, to inspect electrical installations at any time, and it reserves the right to reject any wiring or equipment not in accordance with its standards. Such inspection, or failure to inspect, or to reject, shall no render the Authority, its agents, or employees, liable or responsible for any loss, damage, or accident resulting from defects in the customer's installation of any electrical equipment, or for any violation of the Application or Contract of which these General Terms and Conditions are a part.

(c) Right of Access—The customer shall permit the entrance on his premises to identified employees of the Authority at all reasonable hours for all purposes related to the Authority's business.

SECTION 4—CONNECTED LOAD

(a) Determination of Connected Load—The term "Connected Load", as used in the Authority's rate Schedules, shall be understood to be the manufacturer's rated capacity of the apparatus and lighting connected on customer's premises, including empty sockets at one hundred (100) watts each, except as noted below. Demands of not more than ten per cent (10%) above manufacturer's rating of apparatus installed will no be considered, for billing purposes, as deviating from manufacturer's ratings. When the demand of the apparatus is greated than ten per cent (10%) above the manufacturer's rating, the "connected load" on which monthly charges shall be based shall be determined on the basis of the average actual poeer used by the installation during the maximum fifteen (15) minuted period of operation for the month. The "connected load" on which monthly charges

shall be based for any installation using power at rates less than ten per cent (10%) below the manufacturer's rating shall be taken equal to the manufacturer's rating, unless the customer installs, and maintains in good service, power factor corrective apparatus which will insure not less than eighty-five per cent (85%) power factor for the installation, in which case the "connected load" shall be taken to be equal to the actual power used during the maximum fifteen (15) minute period but in no event less than fifty per cent (50%) of the capacity contracted for by the customer.

The "connected load" for X-ray equipment shall be taken as 1 KW for each 3KVA, or major fraction, of transformer capacity. Transformers to be used exclusively for supplying service to such X-ray equipment should be installed whenever practicable and the customer shall then pay the normal charge of forty cents ($0.40) per month per KVA stipulated in Section 1 (f) in addition to all other charges.

In commercial installations under Rate Schedule C-5 and public institutions under Rate Schedule C-6, all heating appliances and agregate motor load of 8 HP or less shall not be included in the determination of "connected load".

For industrial customers and for all commercial customers, the total of the number of HP or KW, respectively, which shall be used for establishing the "connected load" shall be to the nearest HP or the nearest KW, respectively.

(b) Increases in Connected Load—The service connection, transformers, meters and equipment supplied by the Authority for the customer's use have a definite capacity, and no change shall be made in the customer's installation that may cause his load to exceed his contracted capacity except after notice to, and written permission from the Authority. Additions to, or material changes in the characteristic of the load, made without permission from the Authority, shall render customer liable for any damages caused by the additional capacity of, or changes in, the installation.

(c) Balancing of Loads—Loads shall be balanced as follows:

(i) Polyphase Circuits—The customer shall at all times take and use the electric energy in such manner that the load will be balanced between phases to within ten per cent (10%). In the event of unbalanced polyphase loads, the Autority reserves the right to require the custumer, at his own expense, to make the necessary changes to correct this condition or, the Authority will, for billing purposes, compute the kilowatt demand on the assumption that the load on each phase is equal to the greatest load on any phase. When apparatus, other than polyphase motors, are connected to three phase circuits the load must be carefully balanced on each phase.

(ii) Single Phase Circuits—No single piece of apparatus or motors requiring more than 20 amperes shall be connected to single phase 115 volt circuits. Apparatus, excluding motors, up to a maximum of 10 KW,

may be connected to single phase 230 volt circuits. Motors over 3 HP may be connected to single phase 230 volt circuits upon written permission of the Authority only. The total connected load on single phase 230 volt circuits shall no exceed 15 KW; provided, however, that above 10 KW the Authority may require that the load be designed for three phase service.

(d) Flourescent or Gaseous Tube Lighting—Gaseous tube installations, with transformers totalling 1KVA or over, shall be equipped with condensers to maintain at least 85% power factor.

SECTION 5—USE OF ELECTRIC SERVICE BY CUSTOMER

(a) General—The customer shall be responsible for the care and use of the electric power from, and after the point of delivery, and he shall no use such electric power for any other purpose nor in any other place, except as specified in the applicable rate schedule.

(b) Voltage Fluctuations Caused by Customer—Electric equipment of the customer must not be used in such a manner as to cause unusual fluctuations or disturbances to the system of the Authority. The Authority may require the customer, at his own expense, to install suitable apparatus to limit reasonably such fluctuations or the Authority may base the billing demand upon a 5 minute interval instead of a 15 minute interval.

(c) Radio Interference—Brush type motors, and all other apparatus that may produce radio interference, shall be protected with suppressors or capacitors, sufficient in capacity to reduce such radio interference to a satisfactory level.

(d) Limitation of Starting Current—The starting current of motors shall no exceed the following values:

SINGLE PHASE 115 VOLT AND 230 VOLT MOTORS:

Size of Motor HP	Maximum Current in Amperes per Phase 115 voltios	230 voltios
less than ½	15	—
½	30	—
¾	30	—
1	40	—
2	—	23
3	—	45

Three-Phase 230 volt motors: Size of Motor HP	Maximum Current in Amperes per Phase
1 and less	20
1 ½	28
2	35
3	45
5	65
7 ½	86
10	106
15	148
20	188
25	228
30	270
40	285

Starting current on all motors over 40 HP and less than 75 HP shall be limited to two an one half (2½) times normal current, and to that effect, the customer shall provide starting compensators or other special equipment to meet this condition. Motors in excess of forty horsepower (40 HP) shall never be of the across-the-line type but shall always be provided with suitable devices for starting at reduced voltage. Induction motors of seventy-five horsepower (75 HP) or over, or those requiring heavy starting torque shall be of wound rotor type.

All starting devices shall be acceptable to the Authority.

(e) **Customer's Responsability for Authority's Property**—All meters, services and other equipment furnished by the Authority shall be and remain its property and the right to remove, replace or repair all such equipment is expressly reserved. The customer is strictly forbidden to interfere or tamper with the meters, wires, transformers or other appliances forming a part of the Authority's installation. The customer shall excercise proper care to protect the property of the Authority on his premises, and shall take all due precautions to prevent injuries to such installations.

In case of accident or defects of service the customer shall give prompt notice thereof, and in the event of loss or damage to Authority's property arising from neglect of customer, the cost of necessary repairs or replacement shall be paid by customer.

SECTION 6—PAYMENT OF ELECTRIC SERVICE

(a) When Payable—Bills will be rendered monthly and shall be payable within fifteen (15) days from the date of the bill, at the bill, at the nearest office of the Authority or to an indentified collector employed by the Authority who may call and request payment at customer's office or place of residence. Failure to receive the bill shall not release customer from payment obligation. Should the bill not be paid within the time stated above, the Authority may at any time thereafter, discontinue service. Should the final date for payment of the bill fall on a Sunday or holiday, the business day next following the final date will be held as a day of grace for payment. When service to a customer is discontinued for non-payment of account due, the sum of $1.00 to cover expense of reconnection, plus all indebtedness to the Authority at the particular location shall be paid by the customer before service is reestablished.

The words "month" and "monthly" as used herein shall mean the monthly period or interval of time extending between the successive regular meter readings which are taken on or about the same date each month.

(b) Rate Changes—It is expressly agreed that, if new rates that are higher, or new rates that are lower, than those stipulated under the schedule for like conditions of service, are authorized by the body having jurisdiction over the fixing of rates charged by the Authority, the furnishing of electric service to the customer, as stipulated in the Application or Contract, shall be continued and the customer agrees to pay for such service at the higher or lower rates from and after the date when such new rates are made effective.

(c) Adjustment for Interruptions—Adjustment of bills based on service on an hourly basis, or on a demand basis, will be adjusted in case of interruptions of over one hour in duration, except, that no adjustment shall be made for less than $1.00.

SECTION 7—INTERRUPTIONS OF SERVICE

(a) General—The Authority shall endeavor to furnish continuous uninterrupted service. but shall reserve the right to shut off the supply of power without notice: for repairs; for non-payment of bill when due; for violation of the Application of Contract; on account of riots, strikes, or insurrections; municipal, insular or federal authority; acts of God or of the public enemy; or for any other reason deemed sufficient

in the opinion of the Authority to justify such action. Such interruptions shall not constitute a breach of contract on the part of the Authority. Neither the Authority, nor any of its employees, shall be held responsible for any interruption due to any of the above reasons. The Authority shall use all diligence in restoring service and will, whenever possible, give reasonable notice for any predetermined interruption to customer's service.

SECTION 8—GENERAL PROVISIONS

(a) Notice of Trouble—Customers shall notify the Authority should the service be unsatisfactory for any reason, or if there should be any defects, trouble or accidents affecting the supply of electricity.

(b) Employees of the Authority—Employees of the Authority are expressly forbidden to demand or accept from the public, or from any customer, any compensation for services rendered, or to make, modify, or alter any rates, terms, conditions or contracts, or to waive any of these General Terms and Conditions, or to bind the Authority in any other manner by agreements or representations not contained in the Application or Contract.

(c) Other Provisions—Nothing contained herein shall be interpreted to limit the authority of the Governing Board of the Authority to impose upon the customer or consumer of electric power any further requirements not inconsistent herewith, or to amend these General Terms and Conditions as may be deemed necessary to protect the interests of the Authority.

(d) Conflict—In case of conflict between any regular contractual provision and any provision of a rate schedule or these General Terms and Conditions, the General Terms and Conditions and the rate schedule shall govern. In case of a conflict between any special contractual provision and any provision of a rate schedule or the General Terms and Conditions, the rate schedule and the contract shall govern.

EFFECTIVE: JULY 1, 1952.

PART II

RESERVE FOR REVENUE STABILIZATION

In establishing rates for electric service every effort is made to set rates which will produce revenues only sufficient in amount, to cover the Operating Costs of the Authority. However, in practice, it is impossible to set rates which will produce, from year to year, exactly the amount of revenue needed, and the rates in force, therefore, due to uncontrollable variations in the volume of sales and in Operating Costs may produce in any year somewhat more or somewhat less revenue than is needed. In order to avoid the necessity of frequent revisions of the basic rates to adjust the revenues to just the amount needed to cover the Operating Costs, the Authority, as a part of its rate structure, will set aside in a Revenue Stabilization Reserve any excess over the revenues required in any one year and will return subsequently, in the form of a percentage reduction on the monthly bills for electric service to all customers, except those covered by Rate Schedule SP-9, SP-10, LP-16, and LP-17, any amount not needed to supply possible deficiencies in the revenues required.

In estimating the total revenues required to provide for operating expenses, a certain margin of safety must be allowed in order to have available at all times during the fiscal year, a reasonable cushion which will absorb any impact caused by emergency expenditures. The need of using this cushion may arise at any time and particulary toward the end of the fiscal year at a time when it would be too late to adjust rates to make up any deficiency caused by such emergency expenditures.

Based on past experience, and in the light of present conditions, it appears that approximately three per cent (3%) of the total revenues required to provide for operating expenses, is an adequate provision for this operating cushion and that it is essential that it remain available during the entire fiscal year.

To the extent that the accumulation in the Revenue Stabilization Reserve will permit, this operating cushion shall be formed as follows:

3% total revenues required (as defined in Section 502 of the Trust Indenture dated January 1, 1947),

plus 3% of the underrun if any, of actual Operating Expenses, exclusive of fuel oil, below the Operating Expenses estimated in the Annual Bud-

get, exclusive of fuel oil or minus 3% of the overrun, if any, of actual Operating Expenses exclusive of fuel oil, above the operating expenses estimated in the Annual Budget, exclusive of fuel oil, otherwise the amount of the cushion shall become whatever the revenues available will produce above operating cost requirements.

EFFECTIVE: JUNE 29, 1948

PART III

Rate Schedules for Electric Service

RESIDENTIAL SERVICE

RS — 1 Limited Residential Service
RL — 2 General Residential Service
RH — 3 Residential Service for Government Operated Public Housing Projects.

COMMERCIAL SERVICE

C — 4 Limited Commercial Service
C — 5 General Commercial Service
C — 6 Public Institutions, Churches and Schools

INDUSTRIAL SERVICE — Secondary Voltage

SP — 8 General Industrial Service
SP — 9 Irrigation Pumping
SP — 10 Ice Manufacture & Refrigeration Plants
SP — 11 Standby Electric Service

LARGE COMMERCIAL AND INDUSTRIAL SERRVICE — Primary Distribution Voltage

LP — 13 Outdoor Sports Field Lighting
LP — 14 Industrial Service and Air Conditioning
LP — 15 Large Commercial Service

LARGE INDUSTRIAL SERVICE — Secondary Transmission Voltage

LP — 16 Large Industrial Service
LP — 17 Large High Local Factor Industrial Service

PUBLIC LIGHTING SERVICE

PLC — 20 Public Lighting in Urban Areas
PLR — 21 Public Lighting in Rural Areas

LIMITED RESIDENTIAL SERVICE

DESIGNATION: Rate Schedule RS-1.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To all small residential customers in private dwellings and individually metered apartments where usual monthly consumption is not likely to be in excess of 12 Kwh and where the connected load is 100 watts or less. (Empty outlets will be estimated at 25 watts each).

CHARACTER OF SERVICE: A.C. 60 cycles, two wire, 115 V.

RATE: 30¢ for 5 Kwh or less per month.

Consumption in any one month in excess of 5 Kwh will be billed at the rate of 6¢ per Kwh.

Consumption in excess of 12 Kwh per month for three months out of any six consecutive months places the customer on the RL-2 rate.

MINIMUM BILL: 30¢ per month.

Effective June 29, 1948.

GENERAL RESIDENTIAL SERVICE

DESIGNATION: Rate Schedule RL-2.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To residential customers in private residences and individually metered apartments for all domestic uses including lighting, refrigeration, cooking, air conditioning, water heating, etc.

This rate may also apply to houses, buildings, apartments, etc. which are primarily intended for residential purposes but where not more than 2 rooms, in which the total connected load does not exceed 500 watts, are used by the tenant for non-residential uses such as for business or professional purposes; otherwise the commercial schedule C-5 shall apply to such business use and the residential use as well, if not separately metered.

If requested by the customers, and deemed advisable by the Authority, more than one family or housekeeping unit in multiple dwelling units financed with public funds may be served through the same meter, and in such event, the energy blocks and the minimum monthly billings shall be increased in proportion to the number of families or housekeeping units so served. No sub-metering of multiple dwelling units for resale or allocation of energy cost shall be allowed.

CHARACTER OF SERVICE: A. C. 60 cycles, two or three wire, single or 3 phase, 115 V, 208 V or 230 V, at Authority's option.

RATE: For the consumption during the month the following prices will be charged:

Energy Charge:

4.50¢ per Kwh for first 75 Kwh.
3.00¢ per Kwh for next 75 Kwh.
2.50¢ per Kwh for next 75 Kwh.
1.25¢ per Kwh for all additional energy.

Fuel Adjustment:
The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above $2.00 or decrease below $1.60 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportation, storage and handling expenses to the service tanks of the respective steam

electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second succeeding calendar month. No fuel adjustment will be made when the average cost of oil, as defined above, is between $1.60 and $2.00 per barrel, but in any event no price less than $1.00 per barrel shall be used for adjustment purposes.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the Ratio shall be for the twelve months of the fiscal year in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12 months' period ending with the second calendar preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons of "Bunker C" fuel oil.

"E" Defined:

"E" is the average effiency of the System at delivery to consumer at secondary distribution voltage for the 12-month period ending with the third calendar month preceding the billing month.

MINIMUM BILL: $0.75 per month.

EFFECTIVE: JULY 1, 1952.

RESIDENTIAL SERVICE

FOR

GOVERNMENT OPERATED PUBLIC HOUSING PROJECTS

DESIGNATION: Rate Schedule RH-3.

AVAILABLE: At Low-Rent Public Housing Projects, for low-income families, operated by Housing Authorities established under the Housing Authorities Law of 1938 as amended, and supported or subsidized in whole or in part by loans, grants, contributions or appropiations of the Federal, Insular, or Municipal Governments, located anywhere in Puerto Rico, where a complete electrical distribution system with service connection and meter at each house or apartment adequate to serve the Project, has been built at owner's expense in accordance with drawings and specifications approved by the Puerto Rico Water Resources Authority, and ownership of such system has been transferred and vested in the Authority in consideration of the special rate charged for electricity under this Schedule, and also of the expense and responsibility for its operation and maintenance assumed by the Authority.

APPLICABLE: To residential customers in individually metered dwelling units of Low-Rent Government Operated Public Housing Projects, for all domestic uses including lighting, refrigeration, cooking air conditioning, water heating and other household uses in general, whose house or apartment has been equipped with the necessary electrical installation for any of such uses and particularly with hot plates for electric cooking and whose demand will not on the average exceed 2 KW per customer.

CHARACTER OF SERVICE: A. C. 60 cycles, two or three wire, single phase 115 V. or 230 V.

RATE: For the consumption during the month the following prices will be charged.

Energy Charge:

$1.85 for the first 55 Kwh or fraction thereof per month.
$0.0125 per Kwh for all additional energy.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$\frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above $2.00 or decrease below $1.60 per barrel in the average value

of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportation, storage and handling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second succeding calendar month. No fuel adjustment will be made when the average cost of oil, as defined above, is between $1.60 and $2.00 per barrel, but in any event no price less than $1.00 per barrel shall be used for adjustment purposes.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the Ratio shall be for the twelve months of the fiscal year in accordance with productions figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12 month's period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons of "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at secondary distribution voltage for the 12 month period ending with the third calendar month preceding the billing month.

MINIMUM BILL: $1.85 per month.

EFFECTIVE: JULY 1, 1952

LIMITED COMMERCIAL SERVICE

DESIGNATION: Rate Schedule C-4.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To all small non residential and commercial customers where usual monthly consumption is not likely to be in excess of 10 Kwh and where the connected load is 100 watts or less. (Empty outlets will be estimated at 25 watts each).

CHARACTER OF SERVICE: A. C. 60 cycles, two wire, 115 V.

RATE: 75¢ for 10 Kwh or less per month.

Consumption in any one month in excess of 10 Kwh will be filled at the rate of 7.5¢ per Kwh.

Consumption in excess of 14 Kwh per month for three months out of any six consecutive month places the customer on the C-5 rate.

MINIMUM BILL: 75¢ per month.

Effective June 29, 1948.

GENERAL COMMERCIAL SERVICE

DESIGNATION: Rate Schedule C-5

AVAILABLE: In all parts of Puerto Rico.
APPLICABLE: To non-residential and commercial customers (such as offices, stores, restaurants, hotels, ball parks having paid admissions, boarding houses, private hospitals and clinics, private schools, clubs, cafes, libraries, community houses, tenement or rooming houses if the service is supplied under one meter to more than one apartment or room; lighting of stairs and halls in office or apartment buildings; lighting of signs and show windows, and also such farm dependencies as may be part of an established business such as licensed dairy farms, etc) for lighting, refrigeration, cooking, air conditioning, water heating, and motor power.

In rooming houses where more than one room or family unit is served under one meter the total connected load shall be the sum of the connected loads of each room or family unit, with a minimum of 1 KW for each room or unit.

CHARACTER OF SERVICE: A. C. 60 cycles, single phase, or three phase and 115 V 208 V, or 230 V, at Authority's option.

For regulations regarding determination of "connected load" in Rate below see General Terms and Conditions in force.

RATE: **Energy Charge:**

5.5¢ per Kwh for first 120 Kwh per month per KW of connected load.
4.5¢ per KWH for next 60 Kwh per month per KW of connected load
2.9¢ per Kwh for next 60 Kwh per month per KW of connected load.
2.0¢ per Kwh for all additional energy consumed during month.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above 2.00 or decrease below $1.60 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportation, storage and handling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beg-

inning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second suceeding calendar month. No fuel adjustment will be made when the average cost of oil, as defined above, is between $1.60 and $2.00 per barrel, but in any event no price less than $1.00 per barrel shall be used for adjustment purposes.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the Ratio shall be for the twelve months of the fiscal year in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12 months' period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons of "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at secondary distribution voltage for the 12-month period ending with the third calendary month preceding the billing month.

MINIMUM BILL: $1.00 per KW of connected load.

EFFECTIVE: JULY 1, 1952.

PUBLIC INSTITUTION, CHURCHES AND SCHOOLS

DESIGNATION: Rate Schedule C-6, Modified

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To public and parochial schools and colleges supported in whole or in part by public subscription, funds, or endowments; churches, and other religious establishments; hospitals, orphanages and institutions supported in whole or in part by public subscriptions, funds or endowments, and all building operated exclusively in connection with or appurtnenant thereto; and which provide charitable services to inhabitants of the city, when such named establishments are no used or operated for financial profit; for lighting, heating, power and other purposes where all the service at one location is supplied through one meter.

CHARACTER OF SERVICE: A. C. 60 cycles, single phase or three phase, and 115 V, 208 V or 230 V, at Authority's option.

For regulations regarding determination of "connected load" in Rate below see General Terms and Conditions in force.

RATE: **Energy Charge:**

4.50¢ per Kwh for first 75 Kwh per month per KW of connected load.
3.00¢ per Kwh for next 75 Kwh per month per KW of connected load.
2.50¢ per Kwh for next 75 Kwh per month per KW of connected load.
1.25¢ per Kwh for all additional energy consumed during month.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above $2.00 or decrease below $1.60 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportation, storage and hadling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second succeding calendar month. No fuel adjustment will me made when the average cost of oil, as defined above is between $1.60 and $2.00 per barrel, but in any event no price less than $1.00 per barrel shall be used for adjustment purposes.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kvh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the Ratio shall be for the twelve months of the fiscal year in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12 month's period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons of "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to customer at secondary distribution voltage for the 12-month period ending with the third calendar month preceding the billing month.

MINIMUM BILL: $1.00 per KW of connected load, but not to exceed $10.00 for any one month.

EFFECTIVE: JULY 1, 1952.

GENERAL INDUSTRIAL SERVICE

(Secondary Voltage Service)

DESIGNATION: Rate Schedule SP-8, Modified.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To industrial customers for general power use. Service shall be through one point of delivery and one meter.

No lighting shall be permitted under this schedule except, that in pump installations, pump house lighting shall be permitted.
CHARACTER OF SERVICE: A. C. 60 cycles, single phase or three phase; and 115, V, 208 V or 230 V, at Authority's option.

For regulations regarding use of single or polyphase motors and their starting currents see General Terms and Conditions in force.

For regulations regarding determination of "Connected load" in Rate below see General Terms and Conditions in force.

RATE: **Energy Charge:**

3.25¢ per Kwh for first 100 Kwh per month per HP of connected load.
2.50¢ per Kwh for next 100 Kwh per month per HP of connected load.
2.25¢ per Kwh for next 100 Kwh per month per HP of connected load.
1.75¢ per Kwh for all additional energy consumed during month.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above $2.00 or decrease below $1.60 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportaion, storage and handling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second suceeding calendar

month. No fuel adjustment will be made when the average cost of oil, as defined above, is between $1.60 and $2.00 per barrel ,but in any event no price less than $1.00 per barrel shall be used for adjustment purposes.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the Ratio shall be for the twelve months of the fiscal year in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12 month period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons of "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at secondary distribution voltage for the 12-month period ending with the third calendar month preceding the billing month.

MINIMUM BILL: $0.75 per month per H. P. first 10 H. P. connected load.
$0.50 per month per H. P. next 10 H. P. connected load.
$0.35 per month per H. P. excess over 20 H. P. connected load.

EFFECTIVE: JULY 1, 1952

IRRIGATION PUMPING

(Secondary Voltage Service)

DESIGNATION: Rate Schedule SP-9.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To agricultural customers having a total connected load of 500 HP or over for irrigation pumping, cane hoists and other motive power service, and incidental lighting in connection therewith, but not for general lighting purposes, on the condition that all such installations of the consumer, supplied by the Puerto Rico Water Resources Authority, be placed under this rate schedule.

CHARACTER OF SERVICE: A. C. 60 cycles, single phase or three phase; 115 V, 230 V, or other voltage, at the Authority's option.

For regulations regarding use of single or polyphase motors and their starting currents see General Terms and Conditions in force.

For regulations regarding determination of "connected load" in Rate below see General Terms and Conditions in force.

RATE: The individual loads, and the individual monthly consumption of electric energy of the consumer, wil be combined for billing purposes in each of the districts of the Authority, under the following schedule:

$5.60 per month per HP of connected load for first 1,000 HP.
$5.10 per month per HP of connected load for next 1,000 HP.
$2.85 per month per HP of connected load for next 1,000 HP.
$4.50 per month per HP of connected load for next 500 HP.
$3.95 per month per HP of connected load for next 500 HP.
$3.35 per month per HP of connected load for next 500 HP.
$3.10 per month per HP of connected load for next 500 HP.
$3.10 per month per HP of connected load for next 500 HP.
$2.85 per month per HP of connected load for all over 5,000 HP.

Above rates include the consumption of 250 Kwh per month per HP of total connected load.

For all electric energy within the two hundred and fifty (250) Kwh per month per HP, not taken during the month, there shall be a credit to the consumer of $0.01125 per Kwh for each Kwh not taken.

For all electric energy in exces sof the two hundred fifty (250) Kwh per month per HP taken during the month there shall be an additional charge to consumer of $0.01125 per Kwh per month so consumed.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above $2.00 or decrease below $1.60 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportation ,storage and handling expenses to the service tanks of the respective steam-electric staions of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second succeeding calendar month. No fuel adjustment will be made when the average cost of oil, as defined above, is between $1.60 and $2.00 per barrel, but in any event no price less than $1.00 per barrel shall be used for adjustment purposes.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the Ratio shall be for the twelve months of the fiscal year in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12 month period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons of "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at secondary distribution voltage for the 12-month period ending with the third calendar month preceding the billing month.

TERM OF CONTRACT: Not less than one year, or as long as is necessary to justify expenditures incurred to render service. Cancellable thereafter on sixty (60) days notice by either party.

EFFECTIVE: JULY 1, 1952.

ICE MANUFACTURE AND REFRIGERATION PLANTS

(Secondary Voltage Service)

DESIGNATION: Rate Schedule SP-10, Modified.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To industrial customers for ice manufacturing plants and for cold storage warehouses operating under a franchise from the Public Service Commission of Puerto Rico.

Service shall be throught one point of delivery and one meter.

No lighting shall be permitted under this schedule.

To be eligible for this rate the customer must install and operated power factor corrective equipment and maintain at least 95% P. F. at the customer's installation.

CHARACTER OF SERVICE: A. C. 60 cycles, single phase or three phase; 115 V, 208 V, 230 V, at Authority's option.

For regulations regarding use of single or polyphase motors and their starting currents see General Terms and Conditions in force.

RATE: **Energy Charge:**

2.25¢ per Kwh for first 135 Kwh per month per KW of maximum 15 minuted demand during the month.

1.15¢ per Kwh for all additional energy consumed during month.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above $2.00 or decrease below $1.60 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportation, storage and handling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second succeeding calendar month. No

fuel adjustment will be made when averag ecost of oil, as defined above, is between $1.60 and $2.00 per barrel, but in any event no price less than $1.00 per barrel shall be used for adjustment purposes.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the Ratio shall be for the twelve months of the fiscal year in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12 month's period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons of "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at secondary distribution voltage for the 12-month period ending with the third calendar month preceding the billing month.

MINIMUM BILL: $2.00 per KW of fixty per cent (50%) of the capacity contracted for by the customer.

TERM OF CONTRACT: Not less than one (1) year, or as long as necessary to justify expenditures incurred to render service. Cancellable thereafter on sixty (60) days notice by either party.

EFFECTIVE: JULY 1, 1952.

STANDBY ELECTRIC SERVICE

(Secondary Voltage Service)

DESIGNATION: Rate Schedule SP-11.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To agricultural, industrial or commercial plants, except sugar mills that take all their off season requirements from the Authority, that may want electric service to supplement seasonal or by-product generation of electric energy, or for other purposes. This rate schedule does not apply to seasonal consumption customers on regular rate schedules.

CHARACTER OF SERVICE: A. C. 60 cycles, single phase or three phase. Voltage to be at Authority's option.

RATE: The standard rate schedule of the Authority which is applicable to the particular class of customer, except that the minimum monthly bill shall be as indicated below:

MINIMUM BILL: $3.50 per month per KW of connected load.

TERM OF CONTRACT: Not less than one year, or as long as necessary to justify expenditures incurred to render service. Cancellable thereafter on sixty (60) days notice by either party.

Effective June 29, 1948.

OUTDOOR SPORTS FIELD LIGHTNING

(Primary Distribution Voltage Service)

DESIGNATION: Rate Schedule LP-13.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To commercial customers having connected load of 500 KW or over, for illumination of outdoor sports fields service. Service shall be through one point of delivery and one metering point.

CHARACTER OF SERVICE: A. C. 60 cycles, three or four wire, three phase 2,300 V, 4,000 V, 4,160 V, 4,600 V, 8,000 V or other primary distribution voltage, at Authority's option. Transformers and substation facilities to be furnished by customer.

RATE: Energy Charge:

5.5¢ per Kwh for all energy consumed during the month.

Fuel Adjustment:

The energy chrage shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above or decrease below $2.00 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportation, storage and handling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second succeeding calendar month.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the ratio shall be for the twelve months of the fiscal year, in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12-months period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at primary distribution voltage for the 12 month period ending with the third calendar month preceding the billing month.

MINIMUM BILL: Twelve dollar ($12.00) per KW of connected load for each twelve months period from date of connecting service, to be paid in four equal payments of three dollars ($3.00) each per KW of connected load, on November 30th, December 31st, January 31st and February 28th, or on the last day of each of the four calendar months comprising all or most of the Baseball Season. The total minimum payment for the twelve-month period entitles the consumer to the use of whatever quantity of kilowatt-hours (minimum annual guaranteed consumption) such total payment will buy at the stated price of 5.5¢ per kilowatt-hour plus fuel oil adjustment.

The consumer will be billed and he shall pay each month for the consumption actually registered by the meter or the minimum payment stipulated, whichever is larger, and at the end of each twelve months period a liquidation shall be made of all amounts billed the consumer during the period. Should the sum of the actual monthly kilowatt-hours consumed during the period be less than the minimum annual guaranteed consumption, then any amount billed during such twelve-months period in excess of the total minimum charges above specified, shall be credited to customer. Should the sum of the actual monthly kilowatt-hours consumed during the period be greater than the minimum annual guaranteed consumption, then any amount billed during such twelve-month period in excess of that corresponding to the sum of the actual monthly kilowatt-hours consumed during the period at the stated price of 5.5¢ per Kwh plus fuel oil adjustment, shall be credited to customer.

TERM OF CONTRACT: Not less than one (1) year. Cancellable thereafter on sitxy (60) days notice by either party.

EFFECTIVE: JULY 1, 1952.

INDUSTRIAL SERVICE AND AIR CONDITIONING

(Primary Distribution Voltage Service)

DESIGNATION: Rate Schedule LP-14

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To industrial customers for general purposes, including motive power, heating, refrigeration and incidental lighting of any industrial establishment or place and to large commercial customers whose maximum KVA demand for air conditioning is fifty per cent (50%) or greater of their total maximum KVA demand. Service shall be through one point of delivery and one metering point.

CHARACTER OF SERVICE: A. C. 60 cycles, three or four wire, three phase; 2,300 V, 4,000 V, 4,160 V, 4,600 V, or 8,000 V or other voltage, at Authority's option. Transformers and substation facilities to be furnished by customer, or rented from the Authority, it it has the equipment available, upon payment by the customer of one percent (1%) per month of its total cost, including materials used and equipment installed, plus the full labor and other incidental costs of installing and eventually dismantling such installation.

RATE **Demand Charge:**

One dollar thirty-five cents ($1.35) per KVA of maximum 15 minute demand during month, or one dollar thirty-five cents ($1.35) per KVT of sixty percent (60%) of the largest demand established during the 12 months ending with the current month, whichever is larger.

Energy Charge:

2.35¢ per Kwh for first 100 Kwh per month per KVA of xamimum demand used in the demand charge above.

1.55¢ per Kwh for next 200 Kwh por month per KVA of maximum demand used in the demand charge above.

0.75¢ per Kwh for all additional energy consumed during month.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above or decrease below $2.00 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker

C" fuel oil in Puerto Rico plus transportation ,storage and handling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the mouth for application to all Kwh billed in the second succeeding calendar month.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the ratio shall be for the twelve months of the fiscal year, in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12-month period ending with the second calendar month preceding the billing month.

'N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons "Bunker C" fuel oil.

'E" Defined:

"E" is the average efficiency of the System at delivery to consumer at primary distribution voltage for the 12 month period ending with third calendar month preceding the billing month.

MINIMUM BILL: $1.35 per KVA of sixty percent (60%) of the largest maximum demand estabilshed during the twelve (12) months ending with the current month, but in no event less than $150.00 per month.

TERM OF CONTRACT: Not less than one year . Cancellable thereafter on sixty (60) days notice by either party.

EFFECTIVE: JULY 1, 1952

LARGE COMMERCIAL SERVICE

(Primary Distribution Voltage Service)

DESIGNATION: Rate Schedule LP-15, Modified.

AVAILABLE: In all part of Puerto Rico.

APPLICABLE: To large commercial customers (such as office buildings, stores, hotels, restaurants, private hospitals and clinics, private schools, clubs, moving picture theaters, radio stations, etc.) for general purposes, including lighting, refrigeration, cooking, air conditioning, water heating and motive power. Servce shall be through one point of delivery and one metering point.

CHARACTER OF SERVICE: A. C. 0 cycles ,three of four wire, three phase; 2,300 V, 4,000 V, 4,160 V, 4600 V, or 8,000 V or other voltage, at Authority's option. Transformers and substation facilities to be furnished by customer, or rented from the Authority, if it has the equipment available, upon payment by the customer at one percent (1%) per month of its total cost, including materials used and equipment installed plus the full labor and other incidental costs of installing and eventually dismantling such installation.

RATE: **Demand Charge:**

One dollar thirty-five cents ($1.35) per KVA of maximum 15 minute demand during month, or one dollar thirty-five cents (1.35) per KVA of sixty percent (60%) of the largest demand established during the 12 months ending with the current month, whichever is larger.

Energy Charge:

2.35¢ per Kwh for first Kwh per month per KVA of maximum demand used in the demand charge above.
1.55¢ per Kwh for all additional energy consumed during the month.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase or decrease below $200 per barrell in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportation, storage and handling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will

be average with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of month for application to all Kwh billed in the second succeeding calendar month.

Ratio "R" Defined:

"R" is the ratio of average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the ratio shall be for the twelve months of the fiscal year, in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of "Btu's" consumed per Kwh generated at the steam generating stations of the Authority during the 12-month period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at primary distribution voltage for the 12 month period ending with the third calendar month preceding the billing month.

MINIMUM BILL: $1.35 per KWA of sixty percent (60%) of the largest maximum demand established during the twelve (12) months ending with the current month, but in no event less than $150.00 per month.

TERM OF CONTRACT: Not less than one year. Cancellable thereafter on sixty (60) days notice by either party.

EFFECTIVE: JULY 1, 1952

LARGE INDUSTRIAL SERVICE

(Secondary Transmission Voltage Service)

DESIGNATION: Rate Schedule LP-16, Modified.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To industrial customers having a demand of 250 KVA or over for general purposes, including motive power, heating refrigeration and incidental lighting of any industrial establishment or plant. Service shall be through one point of delivery and one metering point for each establishment.

CHARACTER OF SERVICE: A. C. 60 cycles, three of four wire ,three phase; 22 KV or 38 KV at Authority's option. Transformers and substation facilities to be furnished by customer, or rented from the Authority, if it has the equipment available, upon payment by the customer of one percent (1%) per month of its total cost, including materials used and equipment installed, plus the full labor and other incidental costs of installing and eventually dismantling such installation.

RATE: **Demand Charge:**

One dollar thirty-five cents ($1.35) per KVA of maximum 15 minminute demand during month, or one dollar thirty-five ecnts ($1.35) of sixty percent (60%) of the largest maximum demand established during the twelve months ending with the current month, whichever is larger; provided that for industries normally using air conditioning in connection with their manufacturing process, whose demand for the air conditioning equipment is 20% or more of the total maximum demand established during the month, the demand charge shall be reduced to one dollar ($1.00) per KVA of the total maximum 15 minute demand during the month.

Energy Charge:

$0.015 per Kwh for the first 300 Kwh per month per KVA of maximum demand used above.

$0.0075 per Kwh for all additional energy consumed during the the month.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above or decrease below $2.00 per barrel in the average value of fuel oil

based upon the market price per barrel of 42 U. S. gallons or "Bunker C" fuel oil in Puerto Rico plus transportation, storage and handling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second succeeding calendar month.

Ratio "R" Defined:

"R" is the Ratio of the average portion of the Kwh delivered in customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the ratio shall be for the twelve months of the fiscal year, in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed for Kwh generated at the steam generating stations of the Authority during the 12-month period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S.. gallons "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at secondary transmission voltage for the 12 month period ending with the third calendar month preceding the billing month.

MINIMUM BILL: $1.35 per KVA of sixty percent (60%) of the largest maximum demand established during the twelve months ending with the current month: but in no event less thant $337.50 per month.

TERM OF CONTRACT: Not less than one (1) year. Cancellable thereafter on sixty (60) days notice by either party.

EFFECTIVE: JULY 1, 1952

LARGE HIGH LOAD FACTOR INDUSTRIAL SERVICE

(Secondary Transmission Voltage System)

DESIGNATION: Rate Schedule LP-17, Modified.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To industrial customers engaged in manufacturing for commercial purposes, having a demand of 500 KVA or over and a monthly load factor of 75% or higher, for general purposes, including motive power, heating, refrigeration and incidental lighting of any industrial establishment or plant. Customers under this rate schedule whose monthly load factor for any two consecutive months is less than 75% will be billed on succeding months under Rate Schedule LP-16, Modified, until monthly load factor again rises to 75% or higher. Service shall be through one point of delivery and one metering point.

CHARACTER OF SERVICE: A. C. 60 cycles, three or four wire, three phase; 22 KV or 38 KV, at Authority's option. Transformers and substation facilities to be furnished by customer, or rented from the Authority, if it has the equipment available, upon payment by the customer of one per cent (1%) per month of its total cost, including materials used and equipment installed, plus the full labor and other incidental costs of installing and eventually dismantling such installation.

RATE: Demand Charge:

One dollar thirty five cents ($1.35) por KVA of maximum, 15 minute demand during month, or one dollar thirty five cents $(1.35) of sixty percent (60%) of the largest maximum demand established during the twelve months ending with the current month, whichever is larger; provided that for industries normally using air conditioning in connection with their manufacturng process, whose demand for the air conditioning equipment is 20% or more of the total maximum demand established during the month, the demand charge shall be reduced to one dollar ($1.00) per KVA of the total maximum 15 minute demand during the month.

Energy Charge:

$0.009 per Kwh for the first 200 Kwh per month per KVA of maximum demand used above.

$0.006 per Kwh for all additional energy consumed during the month.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase

above or decrease below $2.00 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. Gallons of "Bunker C" fuel oil in Puerto Rico plus transportation, storage and handling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second succeeding calendar month.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the ratio shall be for the twelve months of fiscal year, in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12-month period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at secondary transmission voltage, for the 12 month period ending with the third calendar month preceding the billing month.

MINIMUM BILL: $1.35 per KVA of sixty percent (60%) of the largest maximum demand established during the twelve months ending with the current month; but in no event less than $675.

TERM OF CONTRACT: Not less than one (1) year. Cancellable thereafter on sixty (60) days notice by either party.

EFFECTIVE: JULY 1, 1952.

PUBLIC LIGHTING IN URBAN AREAS

DESIGNATION: **Rate Schedule PLC-20, Modified**

AVAILABLE: **In all parts of Puerto Rico.**

APPLICABLE: **For supplying electric energy to public bodies and non-profit associations for the lighting of streets, free ball parks, free parks and play-grounds, plazas, public places, etc.**

Maintenance and lamp renewals included in schedule (a) and (b). Lamp renewal only included in schedule (c).

CHARACTER OF SERVICE: Nightly, from one-half hour before sunset to one-half hour after sunrise over series system or multiple system, at option of the Authority, or approximately 4,000 hours per annum.

Service under (c) and (d) below shall be through one point of delivery and one meter.

RATES:

When system is owned by Authority

(a) Series lighting system.

Capacity of lamp.	Annual Kvh	Basic Annual Charge
600 lumens	208	$10.75
1,000 "	316	12.40
2,500 "	724	19.50
4,000 "	1,140	26.75
6,000 "	1,708	34.25
10,000 "	2,852	57.00
20,000 "	5,700	114.00

(b) Multiple lighting system.

Capacity of lamp.	Annual Kvh	Basic Annual Charge
40 watts	160	$10.10
60 "	240	11.00
100 "	400	12.75
150 "	600	18.00
200 "	800	25.40
500 "	2,000	46.75
1,000 "	4,000	93.25
1,500 "	6,000	139.75

When system is owned and controlled by Municipality or Association.

(c) **Series or multiple lighting system.**
4.0¢ per Kwh for first 150 Kwh per month per KW of connected load.
2.0¢ per Kwh for all additional energy consuming during month.

(d) **Temporary public lighting for limited use in streets, carnivals, etc. By meter, as per Commercial Rate Schedule C-5.**

In the event that electricity is used for lighting of playgrounds or free ball parks for a limited number of hours and not throughout the period from sunset to sunrise, the total bill for this service shall be obtained by multiplying the total Kwh registered by the meter by the rate per Kwh resulting from dividing the basic annual charge specified in subsection (b) of this schedule for the size of lamp used, by the annual Kwh given in the same subsection. No maintenance or lamp renewals is included in sucn event. There shall only be one point of delivery, and service shall be metered at this point on the primary side of the transformer or transformers, which will be supplied by the Authority.

Fuel Adjustment:

To one-twelfth (1/12) of the Basic Annual Charge these shall be added each month the following fuel adjustment which shall be applied to each lamp on the basis of 4,000 (fourt housands) hours of service which these operate in a complete year as follows:

The energy charge shall be increased or decreased by an amount equal to $\$ \frac{R \times Btu \times 0.01}{N \times E \times 0.80}$ per Kwh for each one cent (1¢) increase above $2.00 or decrease below $1.60 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportation, storage and handling expenses to the service tanks of the respective steam-electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second succeeding calendar month. No fuel adjustment will be made when the average cost of oil, as defined above, is between $1.60 and $2.00 per barrel, but in any event no price less than $1.00 per barrel shall be used for adjustment purposes.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

$$\frac{\text{Kwh generated by Authority steam-electric stations}}{\text{Total Kwh generated and purchased}}$$

The determination of the ratio shall be for the twelve months of the fiscal year, in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generated stations of the Authority during the 12-months period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons of "Bunker C" fuel oil.

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at secondary distribution voltage for the 12 month period ending with the third calendar month preceding the biling month.

EFFECTIVE: JULY 1, 1952.

PUBLIC LIGHTING IN RURAL AREAS

DESIGNATION: Rate Schedule PLR-21.

AVAILABLE: In all parts of Puerto Rico.

APPLICABLE: To public bodies and non-profit associations for the lighting of rural streets, free parks, and public places outside of the urban areas of municipalities.

Maintenance and lamp renewals included in rate.

CHARACTER OF SERVICE: Series or multiple system, multiple system voltage 115 V or 230 V at Authority's option.

Lighting fixtures, wiring and transformers to be furnished by the Authority. Service shall be through one point of delivery and one meter.

RATE: **Fixture Charge:**

85¢ per month for each lamp, regardless of size.

Energy Charge:

4¢ per Kwh for all energy consumed during month.

Fuel Adjustment:

The energy charge shall be increased or decreased by an amount equal to $\$\frac{R \times Btu \times 0.01}{N \times E \times 0.89}$ per Kwh for each one cent (1¢) increase above $2.00 or decrease below $1.60 per barrel in the average value of fuel oil based upon the market price per barrel of 42 U. S. gallons of "Bunker C" fuel oil in Puerto Rico plus transportation, storage and handling expenses to the service tank of the respective steam electric stations of the Authority. Fuel oil received during each calendar month will be averaged with fuel oil in storage at the beginning of the month and fuel oil in transit at the end of the month for application to all Kwh billed in the second succeeding calendar month. No fuel adjustment will be made when the average cost of oil, as defined above, is between $1.60 and $2.00 per barrel, but in any event no price less than $1.00 per barrel shall be used for adjustment purposes.

Ratio "R" Defined:

"R" is the ratio of the average portion of the Kwh delivered to customers from steam generating sources of the Authority determined as follows:

Kwh generated by Authority steam-electric stations
Total Kwh generated and purchased

The determination of the Ratio shall be for the twelve months of the fiscal year in accordance with production figures estimated for the Annual Budget.

"Btu" Defined:

"Btu" is the average number of Btu's consumed per Kwh generated at the steam generating stations of the Authority during the 12 month's period ending with the second calendar month preceding the billing month.

"N" Defined:

"N" is the number of Btu's contained in one barrel of 42 U. S. gallons of "Bunker C" fuel oil .

"E" Defined:

"E" is the average efficiency of the System at delivery to consumer at secondary distribution voltage for the 12-month period ending with the third calendar month preceding the billing month.

MINIMUM BILL: The fixture charge.

EFFECTIVE: JULY 1, 1952.