



**Schedule of  
RATES, RULES AND  
REGULATIONS for  
ELECTRIC SERVICE**

**P.U.C.O. No. 8**

This schedule cancels and supersedes  
all preceding electric schedules.

Effective: January 1, 2001

Issued by H. Peter Burg, President  
Edison Plaza, Toledo, Ohio

**TABLE OF CONTENTS**

The following rates, rules and regulations for electric service are applicable throughout Toledo Edison's service territory except as noted.

	<u>Sheet Numbers</u>	<u>Revision</u>
<b>TABLE OF CONTENTS</b>	1	8 <sup>th</sup> Revised
<b>DEFINITION OF TERRITORY</b>	3	Original
<b>REGULATIONS</b>		
Standard Rules and Regulations	4	1 <sup>st</sup> Revised
Emergency Electrical Procedures	4	Original
<b>RESIDENTIAL SERVICE</b>		
Residential Rate "R-01"	10	1 <sup>st</sup> Revised
Residential Rate "R-02" (Add-On Heat Pump)	11	1 <sup>st</sup> Revised
Residential Rate "R-01a"	12	1 <sup>st</sup> Revised
Residential Rate "R-06" (Space Heating and Water Heating)	13	1 <sup>st</sup> Revised
Residential Rate "R-06a"(Space Heating and Water Heating)	14	1 <sup>st</sup> Revised
Residential Rate "R-04" (Water Heating)	15	Original
Residential Rate "R-04a" (Water Heating)	16	Original
Residential Rate "R-07" (Space Heating)	17	Original
Residential Rate "R-07a" (Space Heating)	18	Original
Residential Rate "R-09" (Apartment Rate)	19	Original
Residential Rate "R-09a" (Apartment Rate)	20	Original
Residential Conservation Service Program	21	Original
<b>GENERAL SERVICE</b>		
Small General Service Rate "GS-16"	40	1 <sup>st</sup> Revised
Small School Rate "SR-1a"	41	1 <sup>st</sup> Revised
Large School Rate "SR-2a"	42	1 <sup>st</sup> Revised
Large General Service Rate "GS-12"	43	1 <sup>st</sup> Revised
General Service Rate "GS-14"	44	1 <sup>st</sup> Revised
Small General Service Schedule	45	1 <sup>st</sup> Revised
Medium General Service Schedule	46	1 <sup>st</sup> Revised
General Service Electric Space Conditioning Rate "GS-1"	47	1 <sup>st</sup> Revised
Optional Electric Process Heating and Electric Boiler Load Management Rate "GS-3"	48	1 <sup>st</sup> Revised
General Service Heating Rate "GS-17"	49	1 <sup>st</sup> Revised

**TABLE OF CONTENTS**

	<u>Sheet Numbers</u>	<u>Revision</u>
<b>GENERAL SERVICE (Cont'd)</b>		
Controlled Water Heating Rate "GS-19"	50	1 <sup>st</sup> Revised
Controlled Water Heating Rate "GS-19a"	51	Original
Partial Service Rate "GS-15"	52	Original
Outdoor Night Lighting Rate "GS-13"	53	1 <sup>st</sup> Revised
Outdoor Security Lighting Rate "GS-18"	54	1 <sup>st</sup> Revised
<b>PRIMARY POWER SERVICE</b>		
Large Power Rate "PV-44"	60	1 <sup>st</sup> Revised
Large General Service Rate "PV-45"	61	1 <sup>st</sup> Revised
Large General Service Rate "PV-46"	62	Original
<b>OTHER SERVICE</b>		
Co-generation and Small Power Producer Rate "CO-1"	70	Original
Street Lighting Rate "SL-1"	71	Original
Experimental Day Ahead Real Time Pricing Program	73	1 <sup>st</sup> Revised
Experimental Power Curtailment Program	74	1 <sup>st</sup> Revised
<b>MISCELLANEOUS CHARGES</b>	75	Original
<b>OTHER SERVICE</b>		
Interconnection Tariff	76	Original
<b>RIDERS</b>		
Rider No. 1 - Electric Fuel Component Rate	79	Original
Rider No. 4 - Economic Development Rider	80	Original
Rider No. 4A - Economic Development Rider	81	Original
Rider No. 6 - Direct Load Control Experiment	83	Original
Rider No. 7 - Prepaid Demand Option	84	Original
Rider No. 8 - Replacement Electricity	85	Original
Rider No. 9 - Transition Rate Credit Program/ Residential Service	86	Original
Rider No. 11 - Universal Service Rider	90	1 <sup>st</sup> Revised
Rider No. 12 - Temporary Rider for EEF	91	Original
Rider No. 14 - Net Energy Metering	93	1 <sup>st</sup> Revised
Rider No. 15 - State kWh Tax Self-Assessor Credit Rider	94	Original

**DEFINITION OF TERRITORY**

**COMPANY'S TERRITORY:**

- (1) The term "Company's Territory" shall be deemed to mean and include the territory served by the Company's distribution system in Defiance, Fulton, Henry, Lucas, Ottawa, Putnam, Sandusky, Seneca, Williams and Wood Counties.

**RURAL TERRITORY:**

- (2) The term "Rural Territory" shall be deemed to mean and include all of the Company's territory outside of cities and incorporated villages.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

#### I. GENERAL PROVISIONS

- A. Filing:** The Schedule of Rates and the Standard Rules and Regulations for the supply of electric service throughout the territory served by the Company are filed with The Public Utilities Commission of Ohio. Copies are available for public inspection at the Company's business offices.
- B. Revisions:** The Company's Schedule of Rates and the Standard Rules and Regulations as herein contained may be terminated, amended, supplemented or otherwise changed from time to time only in accordance with law and the rules promulgated thereunder by The Public Utilities Commission of Ohio. No agent, representative or employee of the Company has any right to modify or alter any provision of the Company's Schedule of Rates or the Standard Rules and Regulations.
- C. Applicability:** These rules and regulations, together with the provisions of the applicable rate schedule, are a part of every service contract entered into by the Company.

#### II. APPLICATIONS AND CONTRACTS

- A. Service application:** For each class of service requested by a customer, before such service is supplied by the Company, an accepted application from the customer or other form of contract between the Company and the customer will be required. This requirement shall apply to new installations, to installations where service is to be re-established, to a change in the class of service to be provided to the customer, or to a change in the identity of the customer to be served.

If the customer requests service on the same day on which the application for service is made, and if the Company can fulfill that request, the Company will charge the customer a fee equivalent to the Reconnection Charge as shown in the Company's Sheet No. 75, Miscellaneous Charges to recover the Company's cost for a nonscheduled connection. This fee may be collected at the time of the application or charged with the customer's next monthly billing, at the Company's discretion.

- B. Acceptance of application:** When the application for service is accepted by the Company or service is supplied according to the provisions of the application, the application constitutes a service contract between the Company and the customer for the supply of electric service subject to these rules and regulations.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

- C. Service contract the entire agreement:** The service contract shall constitute the entire agreement between the customer and the Company and no promise, agreement, or representation of any agent, representative or employee of the Company shall be binding upon it unless the same shall be incorporated in the service contract.
- D. Large capacity arrangements:** Existing customers who seek to substantially increase (by at least 1,000 kW) their existing capacity requirements and new customers who seek to purchase substantial (at least 1,000 kW) capacity from the Company shall negotiate agreements with the Company containing equitable arrangements both as to the term of contract and other conditions requiring special consideration, in recognition that serving such increases in capacity may require changes in area facilities or rearrangement of facilities owned by the Company and/or the customer. These arrangements may be subject to the approval of The Public Utilities Commission of Ohio.
- E. Refusal of application:** The Company may refuse to provide electric service for the reasons specified in the provisions of the Ohio Administrative Code. Specifically among these reasons, the Company may refuse to furnish electricity to a customer's premises on account of arrearages due it for electricity furnished to persons formerly receiving services at the same premises as customers of the Company, provided the former customers are continuing to reside at such premises.

### III. CREDITWORTHINESS AND DEPOSITS

- A. Establishment of Creditworthiness:** As prescribed by the Ohio Administrative Code, applicants may be required by the Company to establish creditworthiness, which may include providing a cash deposit, as a condition to furnishing or continuing to furnish service. Interest will be paid on cash deposits as prescribed by the Ohio Administrative Code.
- B. Return of deposit:** Deposits plus accrued interest will be returned to the customer in accordance with the provisions of the Ohio Administrative Code.

### IV. CHARACTER OF SERVICE

- A. Type:** Except as otherwise provided in the Company tariffs, electric service supplied by the Company will be 60-Hz alternating current delivered at the standard voltages available adjacent to the premises where the customer is located.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

- B. Continuity:** The Company will endeavor, but does not guarantee, to furnish a continuous supply of electric energy and to maintain voltage and frequency within reasonable limits. The Company shall not be liable for damages which the customer may sustain due to variations in service characteristics or phase reversals. The standard secondary voltages are 120/240 volt three wire single phase, 208Y/120 volt four wire three phase and 480Y/277 volt four wire three phase. The Company designs its system so that under normal operating conditions the sustained service voltage is within a range of plus or minus 5% of the normal voltage level for that service. Whenever voltages shall be known to exist outside of such ranges, the Company will take steps to promptly initiate corrective action to restore the sustained voltage level within said ranges.

For primary voltage services, the Company does provide standard three phase distribution, subtransmission, and transmission voltages that are available from existing facilities. The Company designs its system so that under normal operating conditions the sustained service voltage is within a range of plus or minus 10% of the normal voltage level for that service. If the voltage is unsatisfactory for particular customer applications or for special apparatus requiring close regulation, then the customer shall install regulative apparatus at the customer's own expense.

### V. APPLICABILITY OF RATE SCHEDULES

- A. Individual customer metering:** Service will be supplied under the appropriate rate schedule, to each separate dwelling (single or part of a multiple unit), apartment, farm, commercial or industrial establishment as one customer through one meter or one unified set of meters for each class of service.
- B. Auxiliary service and stand-by service:** The charges contained in the Company's Schedule of Rates, unless otherwise specified, do not apply when the Company's service is used for auxiliary service or stand-by service to any other source of energy.

"Auxiliary service" is that service which supplements another source of supply where arrangements are made so that either source or both sources can be utilized in whole or in part.

"Stand-by service" is that service which can be used for reserve or in case of an emergency breakdown or failure of the regular source of supply.

Separate rate schedules are available for auxiliary service and for stand-by service.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

#### VI. CHOICE OF RATE SCHEDULES

- A. Alternative rate schedules:** Where two or more alternative rate schedules are applicable to the same class of service, the Company, upon request, will assist a customer in determining the most advantageous rate schedule, provided, however, that the customer shall select the rate schedule on which the application or contract shall be based. No refund will be made representing the difference in charges under different rate schedules applicable to the same class of service.

Subject to limitations in the service contract or applicable rate schedule, the customer may change to an alternative applicable rate schedule, except that a customer contracting for a specified capacity served at available primary or transmission voltage shall not be eligible to recontract for service at secondary voltage, unless a secondary voltage circuit of adequate capacity is available adjacent to the premises and the customer complies with all of the provisions of the applicable secondary rate schedule.

- B. Street Lighting rate schedules:** No schedule of rates shall be applicable to energy used for street lighting unless such schedule specifically states that it relates to the supply of energy for street lighting service.

#### VII. BILLING

- A. Billing periods:** Bills for electric service will be rendered monthly or at the Company's option at other regular intervals. Bills rendered monthly shall cover a period of approximately 30 days.
- B. Payment:** Payment is due at the time specified in the applicable rate schedule. When the due date for payment falls on Saturday, Sunday or a holiday the due date for payment is extended to the following business day.
- C. Transfer of final bill:** If the Customer fails to pay in full or a portion of any final bill for service rendered by the Company at one location, and if the customer is receiving like service at a second Company location, the Company may transfer balance of the final bill to the service account for such second location. Like service refers to an end use within the broad categories of residential, commercial or industrial service, without regard to whether the customer is receiving generation service from the Company. Such transferred amount shall be designated as a past due amount on the account at such second location and be subject to collection and disconnection action in accordance with Chapter 4901:1-18 of the Ohio Administrative Code, the Company's filed tariffs and its Standard Rules and Regulations, as are applicable to that customer, provided that such transfer of a final bill shall not be used to disconnect service to a residential Customer who is not responsible for such bill.



---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

This provision shall not be construed to permit disconnection of a residential account for an unpaid final bill at such a second location if the customer initiated another such account at least ninety (90) days prior to termination of service to the account for which the final bill was rendered.

- D. Meter readings not to be combined:** Even if used by the same person, firm or corporation, electricity delivered and metered separately or at different locations will not be combined for bill calculation purposes, except that under the following conditions meter registrations of two or more installations on the same premises may be combined for billing purposes:
- (a) Where the applicable schedule of rates specifically authorizes the combination of meter registrations, or
  - (b) Where the Company elects, for administrative reasons or engineering reasons affecting the supply of its service, to install or maintain at one or more locations on one premises two or more service connections with separate metering equipment for furnishing service at the same or different voltage levels or number of phases.
- E. Uniform monthly payment plan:** The Company has available for residential customers a plan providing for uniform monthly payments for electric service over specified annual periods.
- F. Estimated Bills:** The Company attempts to read meters on a monthly basis but there are occasions when it is impractical or impossible to do so. In such instances the Company will render an estimated bill based upon past use of service and estimated customer load characteristics. Where the customer has a load meter and the actual load reading when obtained is less than the estimated load used in billing, the account will be recalculated using the actual load reading. The recalculated amount will be compared with the amount originally billed and the customer will be billed the lesser of the two amounts.
- G. Dishonored Checks:** The customer shall be charged for the cost incurred by the Company for processing checks that are returned by the bank. That charge shall be the amount provided for in the Company's Sheet No. 75, Miscellaneous Charges on file with The Public Utilities Commission. This charge shall be collected at the time of payment or rendered with the customer's next monthly billing.
- H. Service Restoration Charge:** When the Company makes a field call to the Customer's location to replace fuses or reset circuit breakers owned by the Customer, the Company will assess a fee in the amount provided for in the Company's Sheet No. 75, Miscellaneous Charges, then currently on file with the Public Utilities Commission to cover the costs associated with providing this service. This fee will be assessed only when there is more than one request for such service in a calendar year.

## ELECTRIC SERVICE

---

## STANDARD RULES AND REGULATIONS

### VIII. SERVICE CONNECTIONS AND LINE EXTENSIONS

#### A. Secondary Voltage Service Connection

1. **Overhead Secondary Connection:** Where overhead distribution facilities are available the Company will install a suitable overhead service drop to a point of attachment on the customer's premises as designated by the Company.
2. **Underground Secondary Connections:**
  - a. **Underground Service In New Residential Subdivisions:**
    - i. Where electric service within new Residential Subdivisions is required by law to be furnished by underground Distribution Facilities or where the filed restrictions of a new Residential Subdivision of five or more units requires Distribution Facilities for the furnishing of electric service to be underground, The Company will furnish such service only pursuant to these rules and regulations and no electric service by overhead Distribution Facilities will be furnished therein.
    - ii. As used in rules (i) through (v):
      - (a) A "Residential Subdivision" shall include a subdivision for single family or multiple family dwellings or apartments.
      - (b) "Developer" means the person, corporation, association, partnership or governmental body applying to the Company for installation of underground Distribution Facilities in an entire residential subdivision.
      - (c) "Distribution Facilities" means wires and cables (for both primary and secondary voltages), transformers and appurtenances of adequate capacity to provide electric service in the subdivision. This does not include Service Laterals.
      - (d) "Service Lateral" means secondary voltage cable that normally extends from a transformer or secondary pedestal to the building.
    - iii. Since the installation of underground Distribution Facilities is a special service and is more costly than the installation of the usual overhead facilities, before the Company will install underground Distribution Facilities in such a subdivision the Developer must as a condition precedent to such installation:
      - (a) Provide, without cost to the Company, easements suitable to the Company for the installation and maintenance of underground Distribution Facilities in such subdivision in reasonable time to meet service requirements. Such easement areas must be cleared of trees, stumps and other obstacles and graded to within 6 inches of final grade by the Developer.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

- (b) File a written application with the Company requesting the installation of such underground Distribution System and indicating the preferred location as either front lot or rear lot.
- (c) For front lot Distribution Facilities, provide the trench and clean sand backfill. The Developer has the option of installing Company approved conduit for both primary and secondary cables in lieu of clean sand backfill.
- (d) For rear lot Distribution Facilities, provide trench, install Company approved conduit for both primary and secondary cables and backfill.
- (e) For Distribution Facilities, the Company shall reimburse the contractor for reasonable conduit material cost mutually agreed to for conduit supplied by the contractor.
- iv. The ownership of all underground Distribution Facilities installed by the Company shall be in the Company.
  - (a) The meter sockets, meter and associated metering equipment furnished and/or installed by the Company are property of the Company and may be removed when the service is terminated for any cause.
  - (b) The ownership and installation of the underground service lateral shall be the responsibility of the Company and the contractor/customer shall pay in advance to the Company the difference of such underground service lateral and the installed cost of an overhead service lateral which would have been adequate to provide electric service for such subdivision.
- v. Nothing herein shall affect the right of the Company to continue to maintain and use any overhead line located in such subdivision, which the Company had a right to construct and maintain prior to any such application for underground Distribution Facilities or which the Company has a legal right to construct and use to supply service outside of the limits of such subdivision. After installation of underground lines pursuant to this regulation, temporary overhead laterals may be extended from the underground lines for construction purposes.

#### **b. Underground Service In New Commercial Subdivisions:**

Where electric service within new Commercial Subdivisions is required by law to be furnished by underground Distribution Facilities or where the filed restrictions of a Commercial Subdivision of five or more commercial units requires Distribution Facilities for the furnishing of electric service to be underground, or where the Developer of the entire commercial development of five or more units desires such underground service, the Company will furnish such service only pursuant to these rules and regulations and no electric service from overhead Distribution Facilities will be furnished therein.

---

**ELECTRIC SERVICE**

**STANDARD RULES AND REGULATIONS**

- i.** As used in Rules (i) through (v):

  - (a) "Commercial Subdivision" shall be a subdivision or development outside of the existing fire district in downtown Toledo, Ohio (presently designated as an underground district where underground service is regularly provided to customers), for buildings for commercial uses as allowed by all commercial classifications of the applicable zoning law or if no zoning law is applicable, as defined in the zoning law for the City of Toledo, Ohio, excepting and excluding buildings intended for occupancy wholly for residential purposes.
  - (b) "Developer" means the person, corporation, association, partnership or governmental body applying to the Company for installation of underground Distribution Facilities in an entire Commercial Subdivision.
  - (c) "Distribution Facilities" means wires and cables (for both primary and secondary voltages), and appurtenances of adequate capacity to provide electric service in the subdivision but excluding transformers and service laterals which extend to the building.
  
- ii.** Since the installation of underground Distribution Facilities is a special service and is more costly than the installation of the usual overhead facilities, before the Company will install underground Distribution Facilities in such a subdivision the Developer must as a condition precedent to such installation:

  - (a) Provide, without cost to the Company, easements suitable to the Company for the installation and maintenance of underground Distribution Facilities in such subdivisions in reasonable time to meet service requirements. Such easement areas must be cleared of trees, stumps and other obstacles and graded to within 6 inches of final grade by the Developer.
  - (b) File a written application with the Company requesting the installation of such underground Distribution System and pay in advance to the Company the difference as estimated by the Company between the installed cost of such underground Distribution System and the installed cost of an overhead Distribution System which would have been adequate to provide electric service for such subdivision.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

It is not practical to ascertain in advance the number of laterals or the nature of the electric service requirements of each commercial customer, therefore, at the time a customer in such a Commercial Subdivision applies for service a determination of the nature of service desired will be made and the customer shall pay to the Company at the time of applying for such service the estimated difference between the cost of installing underground service laterals from the main underground lines to the customer's building and any necessary transformers and appurtenances and the cost of installing comparable overhead service.

- iii. The ownership of all underground Distribution Facilities installed by the Company shall be in the Company.
- iv. Nothing herein shall affect the right of the Company to continue to maintain and use any overhead line located in such subdivision, which the Company had a right to construct and maintain prior to any such application for underground Distribution Facilities or which the Company has a legal right to construct and use to supply service outside of the limits of such subdivision. After installation of underground lines pursuant to this regulation, temporary overhead laterals may be extended from the underground lines for construction purposes.

3. **Change in Service Connections:** Should any change in the Company service connection facilities be necessary due to the erection of, remodeling of or change in any structure on the premises of the customer, or due to any ordinance or any other cause beyond the Company's control, the entire cost of the change in the service connection facilities shall be borne by the customer.

**Temporary Facilities:** Temporary service is any separate installation that the Company does not expect to be permanent or regarding which a substantial risk exists that the Company's facilities will be used and useful for a period substantially shorter than their normal expected life, or in which the customer or consumer has no substantial permanent investment. When electric service is required temporarily for any purpose, the applicant shall deposit with the Company the total estimated cost of construction, plus the total estimated cost of removal, minus the estimated salvage value of all equipment and materials. The amount of the deposit shall be adjusted by a refund or an additional payment when the cost of construction and removal, less the salvage value is determined. No interest will be paid on deposits covering the cost of constructing facilities for temporary electric service.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

#### B. Line Extensions

1. **Definition:** Line extensions shall mean the provision of such facilities (poles, fixtures, wires and appurtenances) as are necessary for delivering electrical energy for general use along public highways or the Company's rights of way to one or more customers located such that they cannot be adequately supplied from a secondary system of the Company's existing distribution system.
2. **Construction of line extensions:** Except as otherwise required by law (e.g. for rural customers), the Company's electric service lines will be extended such distances as in the judgment of the Company is justified by the anticipated distribution charge revenue from the service to be provided by such line, or, if the Company deems the anticipated revenue insufficient to justify such line, the Company may require a long-term contract and a written guarantee and/or a deposit to cover all or any portion of the construction costs in addition to any minimum payment required by the applicable rate.
3. **Line extensions on private property:** Customers that require line extensions to be constructed on private property shall in all cases provide, without cost to the Company, tree trimming and an easement for right-of-way in a form acceptable to the Company before construction is started. For trailer parks and similar commercial enterprises, a property owner shall furnish all necessary easements on his property. If the line extension is constructed by the customer, it shall conform to the Company's standards of construction before connection is made by the Company to its distribution system. All line extensions shall be the property of and shall be operated and maintained by the Company. The Company shall have the right to use such line extension in furnishing electric service to any applicant located adjacent to such line extension and the further right to construct other extensions from the distribution facilities so constructed.
4. **Relocation for Residential, Commercial or Industrial Customer:** A change in location of an overhead or underground service for the customer's convenience will be done at the customer's expense.

**Relocation for Highway, Street or Public Works Project:** A change in location of an overhead or underground service to provide space necessary for highway, street or public works projects will be made in accordance with the contractual agreement established with the government entity involved.

**ELECTRIC SERVICE**  
**STANDARD RULES AND REGULATIONS**

**IX. USE OF SERVICE**

- A. Increased loads:** The customer shall notify the Company of any significant additions or modifications to the customer's installation that will affect the customer's load characteristics so that the Company may provide facilities ample to maintain adequate service.
- B. Resale:**
1. Electric service is provided for the sole use of the Customer, who shall not sell any of such service to any other person, or permit any other person to use the same, without the written consent of the Company.
  2. The above provision does not apply to service provided to a landlord for resale or redistribution to tenants where such resale or redistribution takes place only upon property owned by the landlord and where the landlord is not otherwise operating as a public utility.

## **ELECTRIC SERVICE**

### **STANDARD RULES AND REGULATIONS**

- C. Parallel operation:** The Company may agree to furnish service in parallel with a customer's generating facilities if the customer has adequate protective and regulating equipment and has sufficient trained personnel to perform the necessary operations, and further, at the Company's option, if the customer provides direct telephone connection with the offices of the Company's load dispatcher. The Company will not furnish service in parallel with a customer's generating facilities when, in the opinion of the Company, such parallel operation may create a hazard or disturb, impair or interfere with the Company's service to other customers.
- D. Low power factor:** The Company shall not be obligated to furnish service for electrical equipment having a power factor lower than that of presently available good-quality, high power factor equipment. If power factor corrective equipment is necessary, it, together with required switching equipment, shall be provided and maintained by the customer at his expense.
- E. Unbalanced loads:** The customer shall not use three phase electric service in such a manner as to impose an unreasonable unbalance between phases.

**Interference:** The Company reserves the right to discontinue service to any customer if the service is used in any manner so as to disturb or impair the operation of the Company's system or to interfere with the service to other customers. When such interference does occur due to the use of apparatus installed upon a customer's premises, such customer must provide necessary equipment as may be required to alleviate such conditions or the Company shall have the right to discontinue its service.



---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

#### X. METERS, TRANSFORMERS AND SPECIAL FACILITIES

- A. Installation:** The Company will furnish and maintain one meter or one unified set of meters and metering equipment capable of producing data necessary to bill the customer under Company tariffs. Service will normally be metered at the Company's supply voltage. The customer shall provide, free of expense to the Company and close to the point of service entrance, suitable space for the installation of meters, transformers and other equipment. Meters, transformers and other equipment shall be placed at locations in accordance with Company standards. In cases where service is metered at primary voltage, transformers, when furnished by the Company, shall be located adjacent to the terminus of the Company's supply facilities. Additional or special transformers required by the customer for his convenience shall be furnished and maintained by the customer at his expense. Any metering equipment required by the customer to accommodate requirements of a Certified Supplier will be installed owned and maintained by the Company and paid for by the customer.

When a transformer vault is necessary, said vault shall be furnished and maintained by the customer at his expense in accordance with the Company's standards.

- B. Equipment ownership:** Unless otherwise agreed between the Company and the customer, all equipment furnished by the Company shall remain its exclusive property and the Company shall have the right to remove the same after termination of service for any reason whatsoever.
- C. Meter testing:** The Company tests its meters at intervals for mutual protection of the customer and the Company. In addition, the Company will test any meter whenever there is reasonable cause to believe that it may be inaccurate. Meters registering energy within two percent (2%) fast or slow shall be considered correct. Thermal or integrating type meters registering loads within four percent (4%) high or low shall be considered correct.

In addition, the Company will test a meter at the request of the customer. If the accuracy of the meter is found to be within Company tolerances, the Company may charge the customer a meter test fee as provided in the Company's Sheet No. 75, Miscellaneous Charges, except that the first test at the customer's request within any twelve month period shall be free of charge.

- D. Meter failure:** Whenever a meter fails to register the correct amount of energy the customer shall pay, for the service furnished, an estimated amount based either upon the results of a test, or upon the use during a similar period, or upon both of these methods.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

The Company's policy on backbilling for residential customers shall comply with the orders of the Public Utilities Commission and Section 4933.28 of the Ohio Revised Code. The Company's policy on backbilling for non-residential customers shall comply with the orders of the Public Utilities Commission and Section 4901:1-10-23 of the Ohio Administrative Code.

- E. Customer responsibility:** The customer shall permit only authorized agents of the Company, or persons otherwise lawfully authorized, to inspect, test or remove Company equipment located on the customer's premises. If this equipment is damaged or destroyed due to the negligence of the customer, the cost of repairs or replacement shall be paid by the customer.
- F. Special facilities:** Any special services, facilities, or instrumentalities which may be rendered or furnished by the Company for a customer at his request or at the direction of any governmental authority, and not provided for in the Company's rate schedules and not ordinarily necessary or directly involved in the furnishing of electric service, shall be paid for by the customer for whom such services, facilities, or instrumentalities are furnished, and such costs shall be in addition to the charges for electric service provided for in the applicable rate schedule. Subject to the approval of the Company, such special services, facilities, or instrumentalities may be supplied and maintained by the customer at his expense.
- G. Access to premises:** The Company's authorized agents shall have access to the customer's premises at all reasonable hours for the purpose of reading, inspecting, testing, repairing, replacing, installing, analyzing or removing its meters or other property and for the purpose of inspecting the customer's electrical installation. In the event of an emergency, the Company's authorized agents shall have access at any time.

## XI. CUSTOMER'S WIRING, EQUIPMENT AND SPECIAL SERVICES

- A. Installation:** The customer shall supply all wiring on the customer's side of the point of attachment as designated by the Company. All of the customer's wiring and electrical equipment should be installed so as to provide not only for immediate needs but for reasonable future requirements and shall be installed and maintained by the customer to at least meet the provisions of the National Electrical Code, the regulations of the governmental authorities having jurisdiction and the reasonable requirements of the Company. As required by the Ohio Administrative Code, all new installations shall be inspected and approved by the local inspection authority or, where there is no local inspection authority, by a licensed electrician, before the Company connects its service. Changes in wiring on the customer's premises shall also be inspected and approved by the local inspection authority or, where there is no local inspection authority, by a licensed electrician.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

- B. Company responsibility:** The Company shall not be liable for any loss, cost, damage or expense that the customer may sustain by reason of damage to or destruction of any property, including the loss of use thereof arising out of, or in any manner connected with interruptions in service, variations in service characteristics, high or low voltage, phase failure, phase reversal, the use of electrical appliances or the presence of the Company's property on the customer's premises whether such damages are caused by or involve any fault, failure or negligence of the Company or otherwise except such damages that are caused by or due to the willful and wanton misconduct of the Company. The Company shall not be liable for damage to any customer or to third persons resulting from the use of the service on the customer's premises or from the presence of the Company's appliances or equipment on the customer's premises.

The PUCO approval of the above tariff language in respect to the limitation of liability arising from the Company's negligence does not constitute a determination that such limitation language should be upheld in a court of law. Approval by the Commission merely recognizes that since it is a court's responsibility to adjudicate negligence and consequent damage claims, it should be also the court's responsibility to determine the validity of the exculpatory clause.

Any customer desiring protection against any or all of the foregoing shall furnish, at the customer's expense, any equipment desired by the customer for such purpose. Interruptions in service shall not relieve the customer from any charges provided in the rate schedule.

- C. Special Customer Services:** The Company may furnish customers Special Customer Services as identified in this section. No such Special Customer Service shall be provided except where Company has informed the customer that such Service is available from and may be obtained from other suppliers. A customer's decision to receive or not receive special customer services from the Company will not influence the delivery of competitive or non-competitive retail electric service to that customer by the Company. Such Special Customer Services shall be provided at a rate negotiated with the customer, but in no case at less than the Company's fully allocated cost. Such Special Customer Services shall only be provided when their provision does not unduly interfere with the Company's ability to supply electric service under the Schedule of Rates and Standard Rules and Regulations.

---

**ELECTRIC SERVICE**  
**STANDARD RULES AND REGULATIONS**

Such Special Customer Services include: design and construction of customer substations; resolving power quality problems on customer equipment; providing training programs for construction, operation and maintenance of electrical facilities; performing customer equipment maintenance, repair or installation; providing service entrance cable repair; providing restorative temporary underground service; providing upgrades or increases to an existing service connection at customer request; performing outage or voltage problem assessment; disconnecting a transformer at customer request; loosening and refastening customer owned equipment; determining the location of underground cables on customer premises; disconnecting or reconnecting an underground pedestal at customer request; covering up lines for protection at customer request; making a generator available to customer during construction to avoid outage; providing pole–hold for customer to perform some activity; disconnecting and reconnecting an overhead service drop at customer request (e.g. for siding work); opening a transformer at customer request for customer to install an underground elbow; providing a “service saver” device to provide temporary service during an outage; resetting a customer-owned reclosure device; providing phase rotation of customer equipment at customer request; conducting an evaluation at customer request to ensure that customer equipment meets standards; or upgrading the customer to three phase service.

**XII. COLLECTION OF PAST DUE BILLS AND DISCONNECTION OF SERVICE**

- A. Procedures:** The Company procedures for collection of past due bills and disconnection of service to residential customers will be as specified in the Ohio Administrative Code, Chapter 4901:1-18, “Rules, Regulations And Practices Governing The Disconnection Of Gas, Natural Gas Or Electric Service To Residential Service.”

The Company procedures for disconnecting service to nonresidential customers will be as specified in the Ohio Administrative Code, Chapter 4901:1-10-17, “Payment Schedule And Disconnection Procedures For Nonpayment By Nonresidential Customers.”

- B. Disconnection:** Employees or authorized agents of the Company who actually perform the disconnection of service at the meter shall be authorized to accept payment in lieu of disconnection. In the event that the Company employee or representative is unable to gain access or is denied access to the meter and it becomes necessary to order service wires disconnected at the pole, the employee or representative disconnecting such service wires will not be authorized to accept payment in lieu of disconnection.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

If payment is made to a Company employee or representative whose original purpose was to disconnect the service, a charge in the amount provided for in the Company's current Sheet No. 75, Miscellaneous Charges, on file with the Public Utilities Commission, shall be collected from the customer or assessed on the customer's next billing.

- C. Reconnection:** When service has been discontinued pursuant to any of the foregoing rules and regulations, the customer shall pay a charge for reconnection in the amount provided for in the Company's Sheet No. 75, Miscellaneous Charges, on file with the PUCO.

If service is discontinued and the customer wishes to guarantee the reinstatement of service the same day on which payment is rendered, the following conditions must be met:

- a. The customer must make payment for the service that was disconnected of all fees and charges associated with reconnection as described above in the Company's business office, or provide proof of payment, pay a charge for reconnection in the amount provided for in the Company's Sheet No. 75, Miscellaneous Charges, on file with the PUCO and notify the Company no later than 12:30 p.m. that reinstatement of service is requested the same day; and
- b. The customer must agree to pay the additional Company incurred cost for reinstatement of service, if such reinstatement occurs after normal utility business hours. That charge shall be the amount provided for in the Company's Sheet No. 75, Miscellaneous Charges, on file with the Public Utilities Commission. This charge shall be collected at the time of payment or rendered with the customer's next monthly billing.

When service has been discontinued pursuant to any of the foregoing rules and regulations, before service is re-established the customer shall pay: (1) all past due amounts due the Company, (2) a security deposit if required and (3) a charge for reconnection in the amount provided for in the Company's Sheet No. 75, Miscellaneous Charges, on file with the PUCO.

If service is discontinued and the customer wishes to guarantee the reinstatement of service the same day on which payment is rendered, the following conditions must be met:

- a. The customer must make payment of all fees and charges associated with reconnection as described above in the Company's business office, or provide proof of payment, and notify the Company no later than 12:30 p.m. that reinstatement of service is requested the same day; and

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

- b. The customer must agree to pay the additional Company incurred cost for reinstatement of service, if such reinstatement occurs after normal utility business hours. That charge shall be the amount provided for in the Company's Sheet No. 75, Miscellaneous Charges, on file with the Public Utilities Commission. This charge shall be collected at the time of payment or rendered with the customer's next monthly billing.

- D. Fraudulent Practice, Tampering, And Theft Of Service:** In the event of fraudulent practice, tampering, or theft of service by the customer, consumer or other person, the Company will comply with the provisions of Chapter 4901:1-10-20 of the Ohio Administrative Code entitled, "Fraudulent Practice, Tampering And Theft Of Service." In these instances, the Company will assess a charge in the amount provided for in the Company's Sheet No. 75, Miscellaneous Charges, on file with the Public Utilities Commission.

### XIII. CHANGING ELECTRIC SUPPLIERS

Certified Supplier shall mean all of the entities set forth in R.C. 4928.08(A) and (B) which have received certification from the Public Utilities Commission of Ohio under R.C. 4928.08 and have otherwise complied with the requirements set forth in the Company's Supplier Tariff. The Company shall change the customer's Certified supplier only upon receipt of notice instructing such change with respect to the individual customer from a Certified Supplier.

Such notice to the Company will be as provided in the Supplier Tariff and customer instructions that the Certified Supplier is designated to provide services for a minimum time period of one month.

The Company shall develop, update, and maintain a list of Certified Suppliers that offer electric service within the service territory. The Company shall provide such lists to:

1. All of its customers prior to initiation of competitive retail electric service and quarterly for the remainder of the market development period;
2. All applicants for new service and customers returning to standard-offer service; and,
3. Any customer upon request.

The timing of the change of a customer to a different Certified Supplier shall occur only at the end of a customer's billing month, as determined by the occurrence of a reading of the customer's meter.

---

## **ELECTRIC SERVICE**

### **STANDARD RULES AND REGULATIONS**

A customer may have only one Certified Supplier firm power supplier for any billing month. A customer may not split his non-interruptible generation supply between two Certified Suppliers or between the Company's standard offer supply service and service by a Certified Supplier during a billing month. Further, if one service account is supplied service under more than one rate schedule or rider, these prohibitions apply to all service supplied to the customer during any billing month.

Except in the event of the default of the customer's Certified Supplier, the Company shall not be obligated to honor a customer request to process a notice of change of the customer's selected Certified Supplier more frequently than once every month. For purposes of these Standard Rules and Regulations, default by a Certified Supplier shall mean a failure to deliver services as defined in Revised Code Section 4928.14(C)(1) through (4).

#### **XIV. RETURN TO STANDARD OFFER SUPPLY**

- A.** If a customer that has been receiving service from a Certified Supplier subsequently seeks to have the Company resume providing generation service, the Company will provide service at standard offer rates provided that sufficient notice of such return has been provided to the Company.
- B.** This provision applies to Residential and Small Commercial customers. This provision also applies to Large Commercial and Industrial customers during the Market Development Period. Customers taking generation service from the Company during the period from May 16 through September 15, must remain a Full Service customer of the Company through April 15 of the following year before they may elect to switch to a Certified Supplier, provided that:
1. Customers may switch to a Certified Supplier at any time if they have not previously switched.
  2. Following the stay-out period through April 30, customers may switch to a Certified Supplier but must exercise the right to switch by May 15 of that same year.
  3. During the first year of the Market Development Period Non-aggregated residential customers and small commercial customers will be permitted to return to standard offer service without being subject to a minimum stay of receiving Full Service from the Company. (A Full Service customer is one that receives all retail electric services from the Company.)
  4. Residential and Small Commercial Customers can elect to take service on the Generation Rate Adjustment Rider without application of the minimum stay requirement. This Rider, not yet in effect, will be filed in accordance with Commission Rules prior to March 15, 2001.
  5. By March 15, 2002, and again by April 15, 2002, and thereafter before each March 15 and April 15 during the Market Development Period, the Company will provide notice to Residential customers informing them of their rights to choose another supplier by May 15 and the consequences of not choosing another supplier and staying on their standard service offer.

---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

- C.** After the Market Development Period , Large Commercial and Industrial customers seeking to return to Company generation service must by written contract agree to remain a Full Service customer of the Company for such service for a period of not less than 12 consecutive months, unless the rate schedule under which that customer will be served requires a longer service period, which longer service period would then apply. A Full Service customer is one that receives all retail electric Services from the Company.
- D.** For all customers, return to Company generation service may only occur on regularly scheduled meter reading dates, unless otherwise agreed by the Company. In the event of default of a Certified Supplier, this provision shall not apply.
- E.** The notice period for return to Company generation service at standard offer rates is dependent upon size of the customer's load, as follows:
- 1.** For residential customers served individually, and not through aggregators, municipal aggregators, power marketers or power brokers, there shall be no notice requirement for return to Company service.
  - 2.** For customers not qualifying under subsection 1., that have either (i) billing demands totaling not more than 1,000 kW in the any of the twelve billing months prior to notice, or (ii) monthly kilowatt-hour consumption of no more than 250,000 kilowatt-hours in any of the twelve billing months prior to notice, if the customer seeks to return to Company generation service the customer or the customer's aggregator, municipal aggregator, power marketer or power broker must provide at least one month's advance written notice to the Company of the customer's intent to return. Such notice shall constitute the customer's agreement to remain a Full Service customer as specified in Section XIV. B. above.
  - 3.** For those customers not qualifying under subsection 1. or 2., that have either (i) billing demands totaling not more than 10,000 kW in any of the twelve billing months prior to notice, or (ii) monthly kilowatt-hour consumption of no more than 2,500,000 kilowatt-hours in any of the twelve billing months prior to notice, the customer shall provide at least three months advance written notification of the customer's intent to return. Such notice shall constitute the customer's agreement to remain a Full Service customer as specified in Section XIV. B. above.
  - 4.** For those customers not qualifying under subsections 1., 2. or 3., the notice period shall be six months. Such notice shall constitute the customer's agreement to remain a Full Service customer as specified in Section XIV. B. above.



---

## ELECTRIC SERVICE

### STANDARD RULES AND REGULATIONS

5. A customer may not return to Company interruptible generation service without agreement of the Company.

Such notice period shall begin on a customer's next scheduled meter reading date following the delivery to the Company of such notice. If such notice has not been timely provided the standard offer shall require that the Company shall provide such generation service at the higher of (i) applicable rate schedule rates or (ii) hourly spot market prices.

- F. Customers returning to Company generation service as a result of either Certified Supplier Non-Compliance or default on the part of the customer's Certified Supplier are not subject to the notice provisions of Subsection D. of this Section XIV. Such customers are eligible for standard offer service after reasonable notice of the Certified Supplier's Non-Compliance or default per Revised Code Section 4928.14(C) or 4928.35(D). The Certified Supplier shall be liable to pay the Company any positive difference between the hourly spot market price for electricity and the Generation component of the Company's rates applicable to usage by such customers for a period beginning with the date of such Non-Compliance or default and with a duration equal to the applicable notice periods identified in sections E.2., E.3., and E.4. The Company may draw on the Certified Supplier's available financial instruments to fulfill such obligation. Any generation service rendered to such customers prior to a Commission determination of a Certified Supplier's failure to provide service under Revised Code Section 4928.14(C) shall be provided at hourly spot market prices as specified by the Company. Customers returning to Company generation service under this section will have thirty (30) calendar days to select another Certified Supplier. If a new Certified Supplier is not chosen within thirty (30) calendar days, Section XIV Return to Standard Offer Supply, Paragraph B and C will apply to such customers.
- G. Customers returning to Company generation service as a result of actions of a Certified Supplier, other than Certified Supplier Non-Compliance or the default of the Certified Supplier, shall return under the provisions of Subsection E of this Section XIV. In that event, the Certified Supplier shall be obligated to pay the Company any positive difference between the hourly spot market price for electricity and the Generation component of the Company's rates applicable to usage by such customers for a period beginning with such return and with a duration equal to the applicable notice periods identified in sections E.2., E.3. and E.4. Customers returning to company generation service under this section must remain a customer of Company generation service for twelve months, unless the rate schedule under which that customer is furnished service requires a longer service period, which longer service period would then apply.

---

**ELECTRIC SERVICE  
STANDARD RULES AND REGULATIONS**

- H.** The Company may, at its sole discretion, waive any part of the notice period provided for return to Company generation service. Such waiver would be based upon the Company's expectation of the adequacy of the Company's generation reserve, the availability of supply from other resources, and the cost to supply such customers from either its resources or purchased resources.

**XV. CERTIFIED SUPPLIER BILLING AND PAYMENT**

- A. Billing:** The customer's Certified Supplier will notify the Company whether the Certified Supplier will bill the customer directly for generation services provided (Two Bill Option), or whether the Company should bill the customer for service provided by the Certified Supplier and remit such billing amount to the Certified Supplier (One Bill Option).

If the One Bill Option is selected, the Company will provide the functions of collection and remittance of funds only as a conduit of those funds from the customer to the Certified Supplier. The Company will not be responsible for any default or failure to provide service or failure to pay for service as a consequence of its performance of this role.

- B. Payments To The Company:** Payments to the Company will be applied to the customer's account in accordance with O.A.C. 4901:1-10-22(I).

- C. Disputes:** If the One Bill Option is selected, the Company will accept and rely on the representation of the Certified Supplier as to the rates supplied to the Company by the Certified Supplier. The Company will have no responsibility to verify the appropriateness of such amounts, or to resolve any disputes or disagreements over the amount, timing or any other aspect of the billing or payment of charges, other than to confirm amounts billed to the customer, amounts received from the customer and amounts remitted to the Certified Supplier.

---

**ELECTRIC SERVICE  
STANDARD RULES AND REGULATIONS**

- D. Non-Payment or Partial Payment:** Regardless of whether the Two Bill Option or the One Bill Option is selected, customers who shop for generation services will be considered by the Company to be delinquent in the payment of their bill if the Company's charges for electric service remain unpaid at the time they are due. Delinquent bills will be subject to the Company's termination provisions for non-payment, and may result in the imposition of late payment fees and the initiation of electric service termination procedures for non-payment. The Company will not initiate its electric service termination procedures for non-payment of charges payable to a Certified Supplier.
- E. Late Payment Fees:** The Company may impose late payment fees in accordance with its procedures on the portion of the bill that is ultimately due to the Company, excluding any amount it has billed to the customer on behalf of a Certified Supplier. If the Certified Supplier imposes a late payment fee or other fee, the Company will accept the representation of the Certified Supplier that the fee is appropriate, and will include the fee on the customer's bill for collection and subsequent transmittal to the Certified Supplier.
- F. Collection Activity:** The Company is not responsible for collection of amounts receivable by the Certified Supplier.

**XVI. CUSTOMER AGGREGATION**

Customers may be aggregated for purposes of negotiating for the purchase of generation and competitive ancillary services from a Certified Supplier. Aggregation of customers is not restricted by the number or class of customers within an aggregated group. Accordingly, any customer may be represented by an aggregator. However, an aggregator is not a customer, but rather an agent for aggregated customers. Such aggregated customers will continue to be treated as individual customers of the Company for billing purposes under their otherwise applicable rate schedules, including the billing of applicable Generation Charges and Shopping Credits. Combinations of meter registrations of aggregated customers will not be permitted. No charge of a tariffed service will be affected by a customer's aggregation status, and aggregation of load cannot be used for qualification under a tariff.

## **XVII. EMERGENCY ELECTRICAL PROCEDURES**

### **(A) General**

Emergency electrical procedures are deemed necessary if there is a shortage in the electrical energy supply to meet the demands of the Company's customers. It is recognized that such deficiencies can be short term (up to a few days) or long term (a few days or more) in duration; and in view of the difference in nature between short and long term deficiencies, different and appropriate procedures should be adopted for each.

The systems of the Company and its electric utility affiliates are fully integrated and operated as a single electric system to the mutual advantage of the companies and their customers. Each company endeavors to operate and maintain its electric facilities in accordance with accepted utility practices and to maintain sufficient supplies of fuel for the normal operation of its generating facilities. Because of the method of operating the companies' systems, an emergency arising on the system of one of those companies may affect the system of the others. Should this occur, a company may from time to time be providing assistance to one or more of the others in order to continue to operate most effectively as a single electric system. It is recognized, however, that any action taken by the Company's Pennsylvania Power Company affiliate in case of emergency is subject solely to the jurisdiction of the Pennsylvania Public Utility Commission.

- 1) Procedures related to short-term capacity shortages shall, insofar as the situation permits, give special consideration to the following types of customers and such other customers or types of customers which the Commission may subsequently identify for the protection of the public's health and safety:
  - (a) "Hospitals" and other institutions which provide medical care to patients and where surgical procedures are performed.
  - (b) "Governmental detention institutions" which shall be limited to those facilities used for detention of persons.
  - (c) "Police and fire stations" which shall be limited to publicly owned, attended facilities.
  - (d) "Federal facilities" essential to national defense.
  - (e) "Water pumping facilities" essential to the supply of potable water to a community.
  - (f) "Radio, television and newspaper facilities" utilized for transmittal of emergency messages and public information relating to these procedures.
  - (g) "Sewage treatment facilities" essential to the collection, treatment or disposal of a community's sewage.
  - (h) "Life support equipment," such as a kidney machine or respirator, used to sustain the life of a person.
  - (i) "Air terminal facilities" essential to the control of aircraft in flight.

Although these types of customers will be given special consideration in the application of the manual load shedding provisions of this procedure, the Company cannot assure that service to such customers will not be interrupted, and accordingly they should install emergency generation equipment if continuity of service is essential. In case of customers supplied from two Company sources, only one source will be given special consideration. Other customers who, in their opinion, have critical equipment should install emergency battery or auxiliary generating equipment.

---

## XVII. EMERGENCY ELECTRICAL PROCEDURES

- (2) Procedures related to long-term capacity or fuel shortages shall, insofar as the situation permits, give special consideration to "priority uses of electricity", which shall mean the amount of electrical energy necessary for protection of the public's health and safety and to prevent unnecessary or avoidable damage to buildings and facilities, for the customers identified in Section (A)(1) and at:
- (a) Residences (homes, apartments, nursing homes, institutions and facilities for permanent residents or transients);
  - (b) Electric power generating facilities, telephone central office and central heating plants serving the public;
  - (c) Local, intrastate and interstate transportation facilities;
  - (d) Production and refining or processing facilities for fuels;
  - (e) Pipeline transmission and distribution facilities for fuels;
  - (f) Production, processing, distribution and storage facilities for dairy products, meat, fish, poultry, eggs, produce, bread, livestock and poultry feed;
  - (g) Buildings and facilities limited to uses protecting the physical plant and structure, appurtenances, product inventories, raw materials, livestock, and other personal or real property; and
  - (h) Other similar uses as may be determined by the Commission.

The Company shall promptly advise the Commission of the nature, time and probable duration of all implemented emergency conditions and procedures which affect normal service to customers. The Commission may order the implementation of additional procedures or the termination of the procedures previously employed when circumstances so require.

In addition, each year before March 1, the Company will apprise the Commission of the state of electric supply in its service area.

As may be appropriate in accordance with the nature of the occurring anticipated emergency and of the Company's load and generating, transmission and distribution facilities, the Company shall initiate the following procedures:

**(B) Short-Term Capacity Shortages:**

As may be appropriate in accordance with the nature of the occurring emergency, the Company shall initiate the following procedures:

- (1) Sudden or Unanticipated Short-Term Capacity Shortages.

In the event of a sudden decline of frequency on all or a portion of the Company's system caused by a significant imbalance of load and generation, whether such imbalance occurs in the Company's system or on another system:

## **XVII. EMERGENCY ELECTRICAL PROCEDURES**

- (a) Automatic load shedding will take place if the decline in frequency is of the magnitude such as to jeopardize the entire affected area. Ten percent of the load in the affected area will be shed automatically at a frequency of 58.9 hertz. In the event such action does not restore the frequency to a proper level, manual load shedding will be employed. Service so interrupted shall be of selected distribution circuits and lines serving customers throughout the affected area. Such interruptions shall be, where practical, for short periods of time. When the frequency in the affected area recovers to 59.0 hertz or above any action necessary will be taken in the affected area to permit resynchronization to the main network. Such action may include additional manual load shedding.
  - (b) Such automatic and manual load shedding and restoration will be as set forth in ECAR Document No. 3, dated October 31, 1968 as amended.
- (2) Anticipated or predictable Short Term Capacity Shortages.

As soon as it is determined that a critical situation exists on the Company's system which may require implementation of any of the emergency procedures listed below, the Company shall confer by telephone with the Commission Staff. Also, the Commission Staff shall be kept informed when any such emergency procedures are implemented.

In the event an emergency condition of short term duration is anticipated or predicted which cannot be relieved by sources of generation available to the Company within the interconnected area, the following steps will be taken at the appropriate time and in the order appropriate to the situation.

- (a) The internal demand of generating plants and other premises owned by the Company will be reduced to the largest extent consistent with the continuity of service.
- (b) Voluntary load reductions will be requested of major commercial and industrial customers by procedures established in their respective load reduction plans;
- (c) Voluntary load reductions will be requested of all other customers through appropriate media appeals.
- (d) Manual load shedding of customer loads will be initiated. Service so interrupted shall, be to customers supplied from (1) selected distribution circuits throughout the area affected by the emergency, and (2) transmission and subtransmission circuits that can be directly controlled from the Company's dispatching offices. Such interruptions shall be consistent with the criteria established in section (A)(1) to protect the public health and safety and shall, insofar as practicable, be alternated among circuits. The length of an interruption of any selected distribution circuit should not exceed two hours and the total interruption should not exceed four hours in any 24 hour period without prior notification to the Commission. Records will be maintained to ensure that, during subsequent capacity shortages, service interruptions may be rotated throughout the area in an equitable manner.

### **(C) Long Term Capacity or Fuel Shortages:**

The following actions shall be implemented until it is determined by the Company that any or all actions may be terminated. The public shall be immediately advised through appropriate media sources of the implementation of these procedures.

---

## **XVII. EMERGENCY ELECTRICAL PROCEDURES**

(1) Long Term Capacity Shortages.

If an emergency situation of long term duration arises out of a long term capacity shortage on the Company's system, the following actions shall be taken, as required:

- (a) Curtail, during hours of maximum system demand, non-priority electric use on premises controlled by the Company including parking, large area and interior lighting, except lighting required for security and safety.
- (b) Initiate voluntary load reduction by all customers during the hours of maximum system demand as specified by the Company by:
  - (i) Direct contact of customers with an electric demand of 500 kW or higher requesting them to implement their voluntary electric load reduction plans.
  - (ii) Requesting, through mass communication media, voluntary curtailment of electric use by all other customers by suggesting actions to be taken such as: lowering thermostat settings for electric heating in the winter; discontinuing the use of air conditioning in the summer; shutting off electric water heaters; discontinuing use of dishwashers, outside lights, electric clothes dryers and entertainment appliances; reducing the use of interior lighting; reducing the use of refrigeration; discontinuing sign lighting and decorative lighting; reducing the use of elevators and poker ventilation equipment; and rescheduling hours of operation for stores and factories.
- (c) Implement procedures for interruption of selected distribution circuits during the period of maximum system demand on a rotational basis minimizing interruption to facilities which are essential to the public health and safety. The length of an interruption of any selected circuit should not exceed two hours, and the total interruption should not exceed four hours in any 24 hour period without prior notification to the Commission.
- (d) Notify customers with an electric demand of 500 kW or higher to curtail non-priority use of electricity during hours of maximum system demand as specified by the Company to levels not less than 70 percent of the customer's "monthly base period demand." The Company will establish an adjusted curtailment level when the customer can document that their priority use of electricity exceeds the curtailment level as specified. The Company will notify the Commission prior to such notification of customers.

"Monthly base period demand" is the customers billing demand established during the same month of the preceding year provided, however, that if:

- (i) The "monthly base period demand" of a customer was abnormal due to such things as strikes or breakdown of major equipment, upon application by the customer and agreement by the Company, "monthly base period demand" for such customer shall be adjusted to reflect the abnormality.

---

## **XVII. EMERGENCY ELECTRICAL PROCEDURES**

- (ii) A customer has experienced a major change in load or in load use pattern between the same month of the preceding year and the month of notification of curtailment, the "monthly base period demand" shall be multiplied by an adjustment factor equal to the sum of the billing demands of the three consecutive months prior to the month of notification of curtailment divided by the sum of the billing demands of the corresponding months in the prior 12 month period. If the load change occurred within the three monthly billing periods prior to the notification, only the months which include the changed load condition and the corresponding months of the previous year shall be used to calculate the adjustment factor.
- (iii) A customer has recently been connected or has received a commitment from the Company to supply a new load or a major load addition expected to be connected subsequent to the initiation of the curtailment, the "monthly base period demand" will be negotiated between the customer and the Company.

Upon prior arrangement and mutual agreement with the Company, customers may effect their electric demand reduction on a corporate basis.

- (e) Upon notification to the Commission, increase the total hours of interruption of selected distribution circuits during the hours of maximum system demand from four hours to a maximum of eight hours.
- (2) Long Term Fuel Shortages.

In the event of any anticipated long term fuel shortage on the Company's system, the following program shall be implemented:

- (a) If fuel supplies are decreasing and the remaining fuel supplies at any plant or portion thereof, if separate stockpiles are required, are sufficient in the Company's opinion for 50 "normal burn days" (number of days of coal supply available to serve the portion of the sum of the estimated normal load plus firm sales which will not be provided by firm purchases or by its non-coal generating sources) calculated on a plant by plant basis, the following action shall be taken:
  - (i) The Company shall notify the Commission of the fuel supply situation.
  - (ii) Following written notification to the Commission, the Company will vary from economic dispatch the plants or portions thereof affected in order to utilize generation from plants having a more adequate fuel supply.
- (b) If fuel supplies are decreasing and the remaining system fuel supplies are sufficient in the Company's opinion for 50 "normal burn days", the following action shall be taken:
  - (i) The Company shall notify the Commission of the fuel supply situation.
  - (ii) Company use of electric energy will be reduced in any way that will not jeopardize essential operations.
  - (iii) Following written notification to the Commission, the Company will vary from economic dispatch in order to utilize generation from plants having a more adequate fuel supply.
  - (iv) Consideration will be given to discontinuing emergency sales to other utilities, except in those situations where the dropping of regular customers or where serious overloads on equipment will result.



## **XVII. EMERGENCY ELECTRICAL PROCEDURES**

- (c) If fuel supplies continue to decrease and the remaining system fuel supplies are sufficient in the Company's opinion for not more than 40 "normal burn days," appeals will be made to all customers for voluntary conservation to effect a reduction of at least 25 percent of all non-priority use of electricity.
- (i) Public appeals will be made by the Company through appropriate news media requesting customers to curtail their use of electric energy by suggesting actions to be taken such as: reduce outdoor lighting; reduce general interior lighting to minimum levels to the extent this contributes to decreased electricity usage; reduce show window and display lighting to minimum levels to protect property; reduce the number of elevators operating in office buildings during non-peak hours; reduce electric water heating temperature to minimum level; minimize work schedules for building cleaning and maintenance, restocking, etc., so as to eliminate necessity for office or commercial and industrial facilities to be open beyond normal working hours; maintain building temperature of no less than 78°F by operation of cooling equipment and no more than 68°F by operation of heating equipment, and encourage, to the extent possible, daytime scheduling of entertainment and recreation facilities.
- (ii) Direct appeals will be made by the Company to industrial and commercial customers with an electric demand of 500 kW or higher to reduce non-priority use of electricity by at least 25 percent.
- (d) If fuel supplies continue to decrease and the remaining system fuel supplies are sufficient in the Company's opinion for not more than 30 "normal burn days," the Company shall implement mandatory curtailment procedures for all customer as follows:
- (i) All previous measures to reduce electric usage, and
- (ii) All non-priority lighting shall be discontinued, all public, commercial and industrial buildings shall maintain a building temperature of no less than 80°F by cooling equipment and no more than 60°F by the operation of heating equipment, except where health-measures or equipment protection deem such measures to be inappropriate and all public, commercial and industrial buildings shall reduce interior lighting to the minimum levels essential for continued work and operations to the extent this contributes to decreased use of electric energy.

Upon prior arrangement and mutual agreement with the Company, customers may effect their electric energy usage reduction on a corporate basis.

- (e) If fuel supplies continue to decrease and the remaining system fuel supplies are sufficient in the Company's opinion for not more than 25 "normal burn days," the Company shall implement additional mandatory curtailment procedures for all customers as follows:
- All previous measures to reduce electric usage, and
- (i) All customers shall discontinue non-priority use of electricity on two days of each week. (The Company shall inform customers of the days that non-priority uses shall be discontinued), or
- (ii) Customers may, in the alternative, elect to reduce total electric consumption by 25 percent below normal usage but must keep records sufficient to document their reduction. Upon prior arrangement and mutual agreement with the Company, customers may effect their electric energy usage reduction on a corporate basis.

## **XVII. EMERGENCY ELECTRICAL PROCEDURES**

- (f) If fuel supplies continue to decrease and the remaining system fuel supplies are sufficient in the Company's opinion for not more than 20 "normal burn days," the Company shall implement further mandatory curtailment of electric usage as follows:

All previous measures to reduce electric usage, and

- (i) All customers shall discontinue non-priority use of electricity on three days of each week (the Company shall inform customers of the days that non-priority uses shall be discontinued), or
- (ii) Customers may, in the alternative, elect to reduce total electric consumption by 50 percent below normal usage, but must keep records sufficient to document their reduction. Upon prior arrangement and mutual agreement with the Company, customers may effect their electric energy usage reduction on a corporate basis.
- (g) If fuel supplies continue to decrease and the remaining system fuel supplies are sufficient in the Company's opinion for not more than 15 "normal burn days," the Company shall notify all customers to discontinue all non-priority use of electricity on all days of each week.
- (3) Customers who do not curtail service during long term capacity shortages within 30 days after notification by the Company pursuant to (C)(1)(d), or do not promptly curtail service during long-term fuel shortages when notified by the Company pursuant to (C)(2)(d, e, f, and g), may, following notification to the Commission, be wholly disconnected from service until the emergency is past.

### **(D) Short Term Capacity Shortages in Neighboring Control Areas:**

Firm service to the Company's customers shall not be interrupted in order to provide emergency service to suppliers of electric energy in neighboring interconnected control areas. Emergency assistance to such suppliers will not be given unless agreed to be provided on a reciprocal basis by such supplier to the Company, and shall be limited to providing emergency assistance from idle or spinning reserve generating capacity on the Company's system provided that the neighboring control area has, as nearly as practicable, utilized its own idle or spinning reserve capacity.

The neighboring control area seeking assistance shall be requested to reduce its takings of electric energy if such takings endanger the reliability of bulk power supply in the Company area. If such neighboring control area fails to reduce its takings and the reliability of bulk power supply in the Company's area is endangered, steps shall be taken to relieve the burden on the Company area including, as a last resort, opening of appropriate interconnections.

### **(E) Emergency Procedures for Municipal Wholesale Customers:**

The Company also provides electric service to certain municipal Wholesale customers. In order to distribute fairly the burden of an electrical emergency between the Company's retail customers and the retail consumers served by its municipal wholesale customers, each such municipal wholesale customer shall adopt emergency electric procedures designed to curtail service to its consumers to the same extent as service to the Company's consumers would be curtailed under the Emergency Electrical Procedures contained herein. Such procedures shall be implemented by each wholesale customer when notified to do so by the Company.

**RESIDENTIAL RATE "R-01"**

**APPLICABILITY:**

This rate is applicable to a single family residence, a single occupancy apartment, a mobile housing unit or any other single family residential unit.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate general service rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge		
Single-Phase Service		\$ 4.75
Three-Phase Service		\$ 8.75

Energy Charge:	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 1000 kWh, per kWh	3.081¢	2.775¢
All Additional kWh, per kWh	2.731¢	2.156¢

**Transmission Charges:**

Energy Charge:		
First 1000 kWh, per kWh	0.430¢	0.387¢
All Additional kWh, per kWh	0.381¢	0.301¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service		
For all kWh, per kWh		0.018¢
Reactive Supply Voltage Control from Generation Sources		
For all kWh, per kWh		0.032¢
Regulation and Frequency Response Service*		
For all kWh, per kWh		0.020¢
Operating Reserve – Spinning Reserve Service*		
For all kWh, per kWh		0.031¢
Operating Reserve – Supplemental Reserve Service*		
For all kWh, per kWh		0.015¢

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**RESIDENTIAL RATE "R-01"**

<b><u>Generation Transition Charge</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 1000 kWh, per kWh	2.519¢	2.269¢
All Additional kWh, per kWh	2.233¢	1.763¢

<b><u>Regulatory Transition Charges:</u></b>		
Energy Charge:		
First 1000 kWh, per kWh	3.755¢	3.382¢
All Additional kWh, per kWh	3.328¢	2.628¢

<b><u>Generation Charge:</u></b>		
Energy Charge:		
First 1000 kWh, per kWh	2.731¢	2.583¢
All Additional kWh, per kWh	2.563¢	2.288¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier.

Energy Credit:		
First 1000 kWh, per kWh	4.701¢	4.604¢
All Additional kWh, per kWh	4.604¢	3.784¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers, except this provision is not applicable to unpaid account balances of customers enrolled on income payment plans pursuant to Section 4901:1-18-04(B), Ohio Administrative Code. For residential customers, the late payment service charge will be assessed only when there is more than one late payment in a twelve-month period.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available at the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**RESIDENTIAL RATE "R-01"**

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Standard Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93

**RESIDENTIAL ADD-ON HEAT PUMP  
RATE "R-02"**

**APPLICABILITY:**

Applicable to residential installations in a single family house, a single suite in a multiple family house, or a single suite in a multiple apartment, a manufactured housing unit or any other residential unit, and not more than four such installations on the same premises when combined as provided herein.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate commercial or industrial rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate commercial or industrial rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

<b><u>Distribution Charge:</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
For all kWh, per kWh	1.522¢	0.597¢
<b><u>Transmission Charges:</u></b>		
Energy Charge:		
For all kWh, per kWh	0.574¢	0.225¢
<b><u>Ancillary Services Charges:</u></b>		
Scheduling, System Control and Dispatch Service		
For all kWh, per kWh		0.018¢
Reactive Supply Voltage Control from Generation Sources		
For all kWh, per kWh		0.032¢
Regulation and Frequency Response Service*		
For all kWh, per kWh		0.020¢
Operating Reserve – Spinning Reserve Service*		
For all kWh, per kWh		0.031¢
Operating Reserve – Supplemental Reserve Service*		
For all kWh, per kWh		0.015¢

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**RESIDENTIAL ADD-ON HEAT PUMP  
RATE "R-02"**

<b><u>Generation Transition Charge:</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge: For all kWh, per kWh	3.217¢	1.263¢
<b><u>Regulatory Transition Charge:</u></b>		
Energy Charge: For all kWh, per kWh	5.015¢	1.969¢
<b><u>Generation Charge:</u></b>		
Energy Charge: For all kWh, per kWh	0.808¢	1.082¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier

Energy Credit: For all kWh, per kWh	7.680¢	3.494¢
--	--------	--------

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers, except this provision is not applicable to unpaid account balances of customers enrolled on income payment plans pursuant to Section 4901:1-18-04(B), Ohio Administrative Code. For residential customers, the late payment service charge will be assessed only when there is more than one late payment in a twelve-month period.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**RESIDENTIAL ADD-ON HEAT PUMP**

**RATE "R-02"**

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available at the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93



**RESIDENTIAL ADD-ON HEAT PUMP**

**RATE "R-02"**

**SPECIAL RULES:**

1. UNAVAILABLE TO CERTAIN INSTALLATIONS

This schedule shall not be applicable to the following installations which shall be billed under other rates of the Company:

- a. Any combination on one meter of residential and commercial installations on the same Premises.
- b. Any service which constitutes an additional service installation.

2. SEPARATELY METERED

- a. The Customer shall furnish a separate Company approved circuit (or equivalent) to which qualifying add-on heat pump shall be permanently connected. This circuit shall be so designed and constructed that no other electrical devices shall be connected thereto. The circuit shall be wired so that an approved meter socket is installed in an outdoor accessible location just ahead of the separate disconnect switch installed for the add-on heat pump.
- b. Installation of the add-on heat pump and separate circuit as described above shall be done by a contractor of the Customer's choice from those approved for said installation by the Company.
- c. Application for this service must be approved by the Company.
- d. The Add-On Heat Pump Rate applies only to those add-on heat pump installations which are separately metered from any other load. This rate shall apply to any add-on heat pump installation in an existing residential unit or to new residential installations where the add-on heat pump meets or exceeds a ten (10) SEER and any other conservation standard specified by the Company.
- e. Multi-metered accounts are precluded from the Residential Add-On Heat Pump Schedule. The separately metered Residential Add-On Heat Pump Schedule shall be in those instances where the add-on heat pump is the primary source of cooling with supplemental heating and where the device has a seasonal energy efficiency ratio (SEER) of at least 10.

3. The appropriate rates specified in the otherwise applicable Residential Rate shall be used to bill the non-add-on heat pump kWh's. No customer shall be on both the Add-On Heat Pump Rate and the Residential "R-06." Multi-metered accounts are also precluded.

**RESIDENTIAL RATE "R-01a"**

**APPLICABILITY:**

This rate is applicable to a single family residence, a single occupancy apartment, a mobile housing unit or any other single family residential unit participating in the Percentage of Income Payment Plan Program.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate general service rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge		
Single-Phase Service		\$ 4.75
Three-Phase Service		\$ 8.75

Energy Charge:	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 1000 kWh, per kWh	3.168¢	2.850¢
All Additional kWh, per kWh	2.806¢	2.215¢

**Transmission Charge:**

Energy Charge:		
First 1000 kWh, per kWh	0.346¢	0.312¢
All Additional kWh, per kWh	0.307¢	0.242¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service		
For all kWh, per kWh		0.014¢
Reactive Supply Voltage Control from Generation Sources		
For all kWh, per kWh		0.026¢
Regulation and Frequency Response Service*		
For all kWh, per kWh		0.016¢
Operating Reserve – Spinning Reserve Service*		
For all kWh, per kWh		0.025¢
Operating Reserve – Supplemental Reserve Service*		
For all kWh, per kWh		0.012¢

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**RESIDENTIAL RATE "R-01a"**

<b><u>Generation Transition Charge:</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 1000 kWh, per kWh	2.524¢	2.271¢
All Additional kWh, per kWh	2.236¢	1.765¢

<b><u>Regulatory Transition Charge:</u></b>		
Energy Charge:		
First 1000 kWh, per kWh	3.762¢	3.384¢
All Additional kWh, per kWh	3.332¢	2.630¢

<b><u>Generation Charge:</u></b>		
Energy Charge:		
First 1000 kWh, per kWh	2.249¢	2.152¢
All Additional kWh, per kWh	2.138¢	1.957¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier

Energy Credit:		
First 1000 kWh, per kWh	4.713¢	4.604¢
All Additional kWh, per kWh	4.604¢	3.789¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available at the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.

**RESIDENTIAL RATE "R-01a"**

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93

**RESIDENTIAL OPTIONAL HEATING RATE "R-06"**

**APPLICABILITY:**

This rate is available on an optional basis to a high usage single family residence utilizing a permanently installed electric space heating system as a substantial source of the space heating requirements, and applying also to a single occupancy apartment, a mobile housing unit or any other single family residential unit meeting the utilization requirements. Not less than 75 percent of the customer's connected load must be within the dwelling unit.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate general service rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge		
Single-Phase Service		\$ 6.75
Three-Phase Service		\$11.00

Energy Charge:	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 125 kWh, per kWd		
First 1000 kWh, per kWh	3.126¢	2.809¢
All Additional kWh, per kWh	2.821¢	2.227¢
All Energy in Excess of 125 kWh per kWd, per kWh	0.495¢	0.495¢

**Transmission Charges:**

Energy Charge:		
First 125 kWh, per kWd		
First 1000 kWh, per kWh	0.324¢	0.291¢
All Additional kWh, per kWh	0.292¢	0.231¢
All Energy in Excess of 125 kWh per kWd, per kWh	0.051¢	0.051¢

**RESIDENTIAL OPTIONAL HEATING RATE "R-06"**

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service For all kWh, per kWh	0.010¢
Reactive Supply Voltage Control from Generation Sources For all kWh, per kWh	0.017¢
Regulation and Frequency Response Service* For all kWh, per kWh	0.011¢
Operating Reserve – Spinning Reserve Service* For all kWh, per kWh	0.017¢
Operating Reserve – Supplemental Reserve Service * For all kWh, per kWh	0.008¢

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**Generation Transition Charge:**

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 125 kWh, per kWd		
First 1000 kWh, per kWh	3.476¢	3.124¢
All Additional kWh, per kWh	3.136¢	2.476¢
All Energy in Excess of 125 kWh per kWd, per kWh	0.550¢	0.550¢

**Regulatory Transition Charge:**

Energy Charge:		
First 125 kWh, per kWd		
First 1000 kWh, per kWh	5.180¢	4.656¢
All Additional kWh, per kWh	4.675¢	3.691¢
All Energy in Excess of 125 kWh per kWd, per kWh	0.820¢	0.820¢

**Generation Charge:**

Energy Charge:		
First 125 kWh, per kWd		
First 1000 kWh, per kWh	0.263¢	0.369¢
All Additional kWh, per kWh	0.365¢	0.564¢
All Energy in Excess of 125 kWh per kWd, per kWh	1.143¢	1.143¢

**RESIDENTIAL OPTIONAL HEATING RATE "R-06"**

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier

Energy Credit:	<u>Summer</u>	<u>Winter</u>
First 125 kWh, per kWd		
First 1000 kWh, per kWh	6.472¢	5.817¢
All Additional kWh, per kWh	5.840¢	4.611¢
All Energy in Excess of 125 kWh per kWd, per kWh	1.388¢	1.388¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM:**

The minimum bill shall be the monthly customer charge. The minimum demand shall be 8 kilowatts.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers, except this provision is not applicable to unpaid account balances of customers enrolled on income payment plans pursuant to Section 4901:1-18-04(B), Ohio Administrative Code. For residential customers, the late payment service charge will be assessed only when there is more than one late payment in a twelve-month period.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available at the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**DEMAND DETERMINATION:**

The Monthly Billing Demand will be the highest recorded demand during the billing month, but not less than 8 kW. Demand readings will be determined to the nearest whole kW. The demand meter provided will be an indicating meter with a fifteen-minute integrating interval or, at the option of the Company, a suitable thermal-type demand meter.

**RESIDENTIAL OPTIONAL HEATING RATE "R-06"**

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Customer must be a high usage customer and must have permanently installed, and in operation, electric space heating equipment supplying a substantial portion of the heating requirements of the residence, as determined by the Company.
- (3) The term of contract shall be for one year from the start of service under this rate and thereafter until terminated by notice by the Customer, except as otherwise provided in the Company's rules and regulations. Termination by the customer during the first year shall only be by mutual agreement of the Company.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93



**RESIDENTIAL OPTIONAL HEATING RATE "R-06a"**

**APPLICABILITY:**

This rate is available on an optional basis to a high usage single family residence utilizing a permanently installed electric space heating system as a substantial source of the space heating requirements, and applying also to a single occupancy apartment, a mobile housing unit or any other single family residential unit meeting the utilization requirements participating in the Percentage of Income Payment Plan Program. Not less than 75 percent of the customer's connected load must be within the dwelling unit.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate general service rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge		
Single-Phase Service		\$ 6.75
Three-Phase Service		\$11.00
 Energy Charge:		
First 125 kWh, per kWd		
First 1000 kWh, per kWh	3.510¢	3.151¢
All Additional kWh, per kWh	3.167¢	2.500¢
 All Energy in Excess of 125 kWh per kWd, per kWh	0.582¢	0.581¢

**Transmission Charges:**

Energy Charge:		
First 125 kWh, per kWd		
First 1000 kWh, per kWh	0.273¢	0.245¢
All Additional kWh, per kWh	0.246¢	0.194¢
 All Energy in Excess of 125 kWh per kWd, per kWh	0.044¢	0.045¢

**RESIDENTIAL OPTIONAL HEATING RATE "R-06a"**

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service For all kWh, per kWh	0.008¢
Reactive Supply Voltage Control from Generation Sources For all kWh, per kWh	0.014¢
Regulation and Frequency Response Service* For all kWh, per kWh	0.009¢
Operating Reserve – Spinning Reserve Service* For all kWh, per kWh	0.014¢
Operating Reserve – Supplemental Reserve Service* For all kWh, per kWh	0.007¢

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**Generation Transition Charge:**

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 125 kWh, per kWd		
First 1000 kWh, per kWh	3.606¢	3.237¢
All Additional kWh, per kWh	3.254¢	2.568¢
All Energy in Excess of 125 kWh per kWd, per kWh	0.597¢	0.597¢

**Regulatory Transition Charge:**

Energy Charge:		
First 125 kWh, per kWd		
First 1000 kWh, per kWh	5.374¢	4.825¢
All Additional kWh, per kWh	4.851¢	3.829¢
All Energy in Excess of 125 kWh per kWd, per kWh	0.891¢	0.890¢

**Generation Charge:**

Energy Charge:		
First 125 kWh, per kWd		
First 1000 kWh, per kWh	(0.873) ¢	(0.648) ¢
All Additional kWh, per kWh	(0.658) ¢	(0.241) ¢
All Energy in Excess of 125 kWh per kWd, per kWh	0.956¢	0.957¢

**RESIDENTIAL OPTIONAL HEATING RATE "R-06a"**

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation Services from a Certified Supplier

Energy Credit:	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 125 kWh, per kWd		
First 1000 kWh, per kWh	6.527¢	5.860¢
All Additional kWh, per kWh	5.890¢	4.650¢
All Energy in Excess of 125 kWh per kWd, per kWh	1.448¢	1.448¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM:**

The minimum bill shall be the monthly customer charge. The minimum demand shall be 8 kilowatts.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available at the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**DEMAND DETERMINATION:**

The Monthly Billing Demand will be the highest recorded demand during the billing month, but not less than 8 kW. Demand readings will be determined to the nearest whole kW. The demand meter provided will be an indicating meter with a fifteen-minute integrating interval or, at the option of the Company, a suitable thermal-type demand meter.

**RESIDENTIAL OPTIONAL HEATING RATE "R-06a"**

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Customer must be a high usage customer and must have permanently installed, and in operation, electric space heating equipment supplying a substantial portion of the heating requirements of the residence, as determined by the Company.
- (3) The term of contract shall be for one year from the start of service under this rate and thereafter until terminated by notice by the Customer, except as otherwise provided in the Company's rules and regulations. Termination by the customer during the first year shall only be by mutual agreement of the Company.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93

**RESIDENTIAL HOT WATER RATE "R-04"**

**APPLICABILITY:**

This optional rate is available to Full Service customers receiving service in a single family residence utilizing electricity as the primary source of energy for water heating, and applies also to a single occupancy apartment, a mobile housing unit or any other single family residential unit meeting the utilization requirements. A Full Service customer is one that receives all retail electric services from the Company.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate general service rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge:**

Customer Charge	
Single-Phase Service	\$ 4.75
Three-Phase Service	\$ 8.75

Energy Charge:	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 500 kWh, per kWh	2.921¢	2.630¢
Next 400 kWh, per kWh	2.340¢	2.202¢
All Additional kWh, per kWh	2.340¢	1.359¢

**Transmission Charges:**

Energy Charge:		
First 500 kWh, per kWh	0.438¢	0.395¢
Next 400 kWh, per kWh	0.351¢	0.330¢
All Additional kWh, per kWh	0.351¢	0.204¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service	
For all kWh, per kWh	0.016¢
Reactive Supply Voltage Control from Generation Sources	
For all kWh, per kWh	0.029¢
Regulation and Frequency Response Service	
For all kWh, per kWh	0.019¢
Operating Reserve – Spinning Reserve Service	
For all kWh, per kWh	0.028¢
Operating Reserve – Supplemental Reserve Service	
For all kWh, per kWh	0.014¢

**RESIDENTIAL HOT WATER RATE "R-04"**

<b><u>Generation Transition Charge:</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 500 kWh, per kWh	2.809¢	2.530¢
Next 400 kWh, per kWh	2.250¢	2.118¢
All Additional kWh, per kWh	2.250¢	1.307¢
<b><u>Regulatory Transition Charges:</u></b>		
Energy Charge:		
First 500 kWh, per kWh	4.187¢	3.770¢
Next 400 kWh, per kWh	3.354¢	3.157¢
All Additional kWh, per kWh	3.354¢	1.948¢
<b><u>Generation Charge:</u></b>		
Energy Charge:		
First 500 kWh, per kWh	2.171¢	2.081¢
Next 400 kWh, per kWh	1.991¢	1.949¢
All Additional kWh, per kWh	1.991¢	1.688¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers, except this provision is not applicable to unpaid account balances of customers enrolled on income payment plans pursuant to Section 4901:1-18-04(B), Ohio Administrative Code. For residential customers, the late payment service charge will be assessed only when there is more than one late payment in a twelve-month period.

**RESIDENTIAL HOT WATER RATE "R-04"**

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available to the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the General Service Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Customer must have permanently installed, and in operation, electric water heating equipment, approved by the Company, supplying the entire requirement for domestic hot water. The maximum electric water heating element rating shall be 5500 watts. Two element water heaters with non-interlocked elements have a permissible total element wattage of 7000 watts. In order to assure satisfactory hot water service, the Company recommends that the water heating equipment in residences have minimum total tank capacity of 40 gallons.
- (3) Continued applicability of this rate to a customer is contingent upon their participation in a positive load control program involving the installation of load controls on electric water heating and central air conditioning should the Company so request.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93

**RESIDENTIAL HOT WATER RATE "R-04a"**

**APPLICABILITY:**

This optional rate is available to Full Service customers receiving service in a single family residence utilizing electricity as the primary source of energy for water heating, and applies also to a single occupancy apartment, a mobile housing unit or any other single family residential unit meeting the utilization requirements participating in the Percentage of Income Payment Plan Program. A Full Service customer is one that receives all retail electric services from the Company.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate general service rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge:**

Customer Charge		
Single-Phase Service		\$ 4.75
Three-Phase Service		\$ 8.75

		<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:			
First 500 kWh, per kWh		1.834¢	1.651¢
Next 400 kWh, per kWh		1.470¢	1.381¢
All Additional kWh, per kWh		1.470¢	0.853¢

**Transmission Charges:**

Energy Charge:			
First 500 kWh, per kWh		0.758¢	0.682¢
Next 400 kWh, per kWh		0.608¢	0.571¢
All Additional kWh, per kWh		0.608¢	0.353¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service		
For all kWh, per kWh		0.028¢
Reactive Supply Voltage Control from Generation Sources		
For all kWh, per kWh		0.050¢
Regulation and Frequency Response Service		
For all kWh, per kWh		0.032¢
Operating Reserve – Spinning Reserve Service		
For all kWh, per kWh		0.049¢
Operating Reserve – Supplemental Reserve Service		
For all kWh, per kWh		0.024¢



**RESIDENTIAL HOT WATER RATE "R-04a"**

<b><u>Generation Transition Charge</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 500 kWh, per kWh	2.817¢	2.535¢
Next 400 kWh, per kWh	2.258¢	2.122¢
All Additional kWh, per kWh	2.258¢	1.311¢
<b><u>Regulatory Transition Charges:</u></b>		
Energy Charge:		
First 500 kWh, per kWh	4.199¢	3.778¢
Next 400 kWh, per kWh	3.365¢	3.162¢
All Additional kWh, per kWh	3.365¢	1.953¢
<b><u>Generation Charge</u></b>		
Energy Charge:		
First 500 kWh, per kWh	2.351¢	2.233¢
Next 400 kWh, per kWh	2.118¢	2.063¢
All Additional kWh, per kWh	2.118¢	1.729¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**RESIDENTIAL HOT WATER RATE "R-04a"**

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available to the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the General Service Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Customer must have permanently installed, and in operation, electric water heating equipment, approved by the Company, supplying the entire requirement for domestic hot water. The maximum electric water heating element rating shall be 5500 watts. Two element water heaters with non-interlocked elements have a permissible total element wattage of 7000 watts. In order to assure satisfactory hot water service, the Company recommends that the water heating equipment in residences have minimum total tank capacity of 40 gallons.
- (3) Continued applicability of this rate to a customer is contingent upon their participation in a positive load control program involving the installation of load controls on electric water heating and central air conditioning should the Company so request.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93

**RESIDENTIAL HEATING RATE "R-07"**

**APPLICABILITY:**

This optional rate is available to Full Service customers receiving service in a high usage single family residence utilizing a permanently installed electric space heating system as a substantial source of the space heating requirements and applying also to a single occupancy apartment, a mobile housing unit or any other single family residential unit meeting the utilization requirements. Not less than 75 percent of the customer's connected load must be within the dwelling unit. A Full Service customer is one that receives all retail electric services from the Company.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate general service rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge:**

Customer Charge	
Single-Phase Service	\$ 4.75
Three-Phase Service	\$ 8.75

Energy Charge:	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 500 kWh, per kWh	3.656¢	3.292¢
Next 400 kWh, per kWh	2.928¢	2.756¢
All Additional kWh, per kWh	3.240¢	1.260¢

**Transmission Charges:**

Energy Charge:		
First 500 kWh, per kWh	0.301¢	0.271¢
Next 400 kWh, per kWh	0.241¢	0.227¢
All Additional kWh, per kWh	0.267¢	0.104¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service	
For all kWh, per kWh	0.009¢
Reactive Supply Voltage Control from Generation Sources	
For all kWh, per kWh	0.017¢
Regulation and Frequency Response Service	
For all kWh, per kWh	0.011¢
Operating Reserve – Spinning Reserve Service	
For all kWh, per kWh	0.016¢
Operating Reserve – Supplemental Reserve Service	
For all kWh, per kWh	0.008¢

**RESIDENTIAL HEATING RATE "R-07"**

<b><u>Generation Transition Charge:</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 500 kWh, per kWh	3.325¢	2.994¢
Next 400 kWh, per kWh	2.664¢	2.507¢
All Additional kWh, per kWh	2.947¢	1.146¢
<b><u>Regulatory Transition Charges:</u></b>		
Energy Charge:		
First 500 kWh, per kWh	4.908¢	4.419¢
Next 400 kWh, per kWh	3.931¢	3.700¢
All Additional kWh, per kWh	4.350¢	1.691¢
<b><u>Generation Charge:</u></b>		
Energy Charge:		
First 500 kWh, per kWh	0.381¢	0.475¢
Next 400 kWh, per kWh	0.567¢	0.611¢
All Additional kWh, per kWh	0.487¢	0.990¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers, except this provision is not applicable to unpaid account balances of customers enrolled on income payment plans pursuant to Section 4901:1-18-04(B), Ohio Administrative Code. For residential customers, the late payment service charge will be assessed only when there is more than one late payment in a twelve-month period.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**RESIDENTIAL HEATING RATE "R-07"**

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available at the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Customer must have permanently installed and in operation, electric space heating equipment supplying a substantial portion of the heating requirements of his residence.
- (3) Customer may have permanently installed and in operation, electric water heating equipment, approved by the Company, supplying the entire requirement for domestic hot water. The maximum electric water heating element rating shall be 5500 watts. Two element water heaters with non-interlocked elements have a permissible total element wattage of 7000 watts. In order to assure satisfactory hot water service, the Company recommends that the water heating equipment in residences have minimum total tank capacity of 40 gallons.
- (4) Continued applicability of this rate to a customer is contingent upon their participation in a positive load control program involving the installation of load controls on electric water heating and central air conditioning should the Company so request.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93

**RESIDENTIAL HEATING RATE "R-07a"**

**APPLICABILITY:**

This optional rate is available to Full Service customers receiving service in a high usage single family residence utilizing a permanently installed electric space heating system as a substantial source of the space heating requirements and applying also to a single occupancy apartment, a mobile housing unit or any other single family residential unit meeting the utilization requirements participating in the Percentage of Income Payment Plan Program. Not less than 75 percent of the customer's connected load must be within the dwelling unit. A Full Service customer is one that receives all retail electric services from the Company.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate general service rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge:**

Customer Charge:		
Single-Phase Service		\$4.75
Three-Phase Service		\$8.75

Energy Charge:		<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 500 kWh, per kWh		4.130¢	3.716¢
Next 400 kWh, per kWh		3.309¢	3.110¢
All Additional kWh, per kWh		3.662¢	1.488¢

**Transmission Charges:**

Energy Charge:			
First 500 kWh, per kWh		0.248¢	0.223¢
Next 400 kWh, per kWh		0.199¢	0.187¢
All Additional kWh, per kWh		0.220¢	0.089¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service		
For all kWh, per kWh		0.008¢
Reactive Supply Voltage Control from Generation Source		
For all kWh, per kWh		0.014¢
Regulation and Frequency Response Service		
For all kWh, per kWh		0.009¢
Operating Reserve – Spinning Reserve Service		
For all kWh, per kWh		0.013¢
Operating Reserve – Supplemental Reserve Service		
For all kWh, per kWh		0.007¢

**RESIDENTIAL HEATING RATE "R-07a"**

<b><u>Generation Transition Charge</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 500 kWh, per kWh	3.357¢	3.021¢
Next 400 kWh, per kWh	2.690¢	2.528¢
All Additional kWh, per kWh	2.977¢	1.209¢
<b><u>Regulatory Transition Charges:</u></b>		
Energy Charge:		
First 500 kWh, per kWh	5.004¢	4.502¢
Next 400 kWh, per kWh	4.009¢	3.768¢
All Additional kWh, per kWh	4.437¢	1.803¢
<b><u>Generation Charge</u></b>		
Energy Charge:		
First 500 kWh, per kWh	(0.648)¢	(0.451)¢
Next 400 kWh, per kWh	(0.256)¢	(0.162)¢
All Additional kWh, per kWh	(0.425)¢	0.612¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**RESIDENTIAL HEATING RATE "R-07a"**

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available at the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Customer must have permanently installed and in operation, electric space heating equipment supplying a substantial portion of the heating requirements of his residence.
- (3) Customer may have permanently installed and in operation, electric water heating equipment, approved by the Company, supplying the entire requirement for domestic hot water. The maximum electric water heating element rating shall be 5500 watts. Two element water heaters with non-interlocked elements have a permissible total element wattage of 7000 watts. In order to assure satisfactory hot water service, the Company recommends that the water heating equipment in residences have minimum total tank capacity of 40 gallons.
- (4) Continued applicability of this rate to a customer is contingent upon their participation in a positive load control program involving the installation of load controls on electric water heating and central air conditioning should the Company so request.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93



**OPTIONAL ELECTRICALLY HEATED APARTMENT RATE "R-09"**

**APPLICABILITY:**

This optional rate is available to Full Service customers receiving service in single occupancy apartments utilizing a permanently installed electric space heating system as a total source of the space heating requirements. Not less than 75% of the customer's connected load must be within the dwelling unit. The apartment complex must consist of not less than four apartments per lot of which at least 50% of the apartments in each building must be rental. Insulation and equipment efficiency criteria must also be satisfied. A Full Service customer is one that receives all retail electric services from the Company.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate general service rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge:**

Customer Charge		
Single-Phase Service		\$4.75
Three-Phase Service		\$8.75

Energy Charge:	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 300 kWh, per kWh	5.084¢	4.579¢
Next 300 kWh, per kWh	5.084¢	1.020¢
Next 400 kWh, per kWh	4.073¢	1.020¢
Next 1000 kWh, per kWh	4.506¢	1.020¢
Over 2000 kWh, per kWh	5.068¢	4.579¢

**Transmission Charge:**

Energy Charge:		
First 300 kWh, per kWh	0.316¢	0.284¢
Next 300 kWh, per kWh	0.316¢	0.063¢
Next 400 kWh, per kWh	0.253¢	0.063¢
Next 1000 kWh, per kWh	0.280¢	0.063¢
Over 2000 kWh, per kWh	0.338¢	0.284¢

**OPTIONAL ELECTRICALLY HEATED APARTMENT RATE "R-09"**

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service For all kWh, per kWh	0.007¢
Reactive Supply Voltage Control from Generation Sources For all kWh, per kWh	0.013¢
Regulation and Frequency Response Service For all kWh, per kWh	0.008¢
Operating Reserve – Spinning Reserve Service For all kWh, per kWh	0.013¢
Operating Reserve – Supplemental Reserve Service For all kWh, per kWh	0.006¢

**Generation Transition Charge:**

	<b>Summer</b>	<b>Winter</b>
Energy Charge:		
First 300 kWh, per kWh	4.491¢	4.045¢
Next 300 kWh, per kWh	4.491¢	0.901¢
Next 400 kWh, per kWh	3.598¢	0.901¢
Next 1000 kWh, per kWh	3.981¢	0.901¢
Over 2000 kWh, per kWh	4.392¢	4.044¢

**Regulatory Transition Charges:**

Energy Charge:		
First 300 kWh, per kWh	6.694¢	6.028¢
Next 300 kWh, per kWh	6.694¢	1.344¢
Next 400 kWh, per kWh	5.362¢	1.344¢
Next 1000 kWh, per kWh	5.933¢	1.344¢
Over 2000 kWh, per kWh	6.757¢	6.028¢

**Generation Charge:**

Energy Charge:		
First 300 kWh, per kWh	(4.000)¢	(3.471)¢
Next 300 kWh, per kWh	(4.000)¢	0.257¢
Next 400 kWh, per kWh	(2.941)¢	0.257¢
Next 1000 kWh, per kWh	(3.395)¢	0.257¢
Over 2000 kWh, per kWh	(3.970)¢	(3.470)¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers, except this provision is not applicable to unpaid account balances of customers enrolled on income payment plans pursuant to Section 4901:1-18-04(B), Ohio Administrative Code. For residential customers, the late payment service charge will be assessed only when there is more than one late payment in a twelve-month period.

**OPTIONAL ELECTRICALLY HEATED APARTMENT RATE "R-09"**

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available at the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Customer must have permanently installed and in operation, electric space heating equipment supplying the total heating requirements of his residence.
- (3) Customer must have permanently installed and in operation, electric water heating equipment, approved by the Company, supplying the entire requirement for domestic hot water. The maximum electric water heating element rating shall be 5500 watts. Two element water heaters with non-interlocked elements have a permissible total element wattage of 7000 watts. In order to assure satisfactory hot water service, the Company recommends that the water heating equipment in residences have minimum total tank capacity of 40 gallons.
- (4) Continued applicability of this rate to a customer is contingent upon their participation in a positive load control program involving the installation of load controls on electric water heating and central air conditioning should the Company so request.
- (5) Insulation Criteria to be eligible for this rate are:
  - R-38 Ceiling
  - R-18 Wall (combination of cavity insulation and exterior sheathing)
  - R-19 Floor over unheated spaces
  - R-5 Masonry wall insulation
  - R-5 Slab
  - Double-glazed windows
  - Insulated metal doors or storm doors on exterior unit doorsIn the event the apartment complex undertakes measures to improve the thermal efficiency of the structure in a manner that results in heat loss improvements equivalent to the criteria provided for above, the apartment complex shall have met the criteria of paragraph 5.
- (6) In addition, to qualify for this rate, the apartment complex must utilize heat pumps; or if heating systems other than heat pumps are utilized, any air conditioning system must have a minimum SEER of 10.

**OPTIONAL ELECTRICALLY HEATED APARTMENT RATE "R-09"**

- (7) The term of contract for the Summer Time-of-Day option shall be for one year from the start of service under the Option and thereafter until terminated by notice by the Customer, except as otherwise provided in the Company's rules and regulations. Termination by the Customer during the first year shall only be by mutual agreement of the Company.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93

**OPTIONAL ELECTRICALLY HEATED APARTMENT RATE "R-09a"**

**APPLICABILITY:**

This optional rate is available to Full Service customers receiving service in a single occupancy apartment utilizing a permanently installed electric space heating system as a total source of the space heating requirements and meeting the utilization requirements participating in the Percentage of Income Payment Plan Program. Not less than 75% of the customer's connected load must be within the dwelling unit. The apartment complex must consist of not less than four apartments per lot of which at least 50% of the apartments in each building must be rental. Insulation and equipment efficiency criteria must also be satisfied. A Full Service customer is one that receives all retail electric services from the Company.

This rate does not apply to commercial or industrial service. If a residential unit is used for both residential and commercial purposes, the appropriate general service rate shall apply unless the wiring is so arranged that the residential usage can be metered separately. The hallways and other common facilities of an apartment building or apartment complex are to be billed on the appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge:**

Customer Charge:		
Single-Phase Service		\$4.75
Three-Phase Service		\$8.75

Energy Charge:	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 300 kWh, per kWh	4.355¢	3.920¢
Next 300 kWh, per kWh	4.355¢	0.915¢
Next 400 kWh, per kWh	3.500¢	0.914¢
Next 1000 kWh, per kWh	3.648¢	0.915¢
Over 2000 kWh, per kWh	3.648¢	3.915¢

**Transmission Charges:**

Energy Charge:		
First 300 kWh, per kWh	0.313¢	0.282¢
Next 300 kWh, per kWh	0.313¢	0.066¢
Next 400 kWh, per kWh	0.250¢	0.067¢
Next 1000 kWh, per kWh	0.263¢	0.066¢
Over 2000 kWh, per kWh	0.263¢	0.295¢

**OPTIONAL ELECTRICALLY HEATED APARTMENT RATE "R-09a"**

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service For all kWh, per kWh	0.007¢
Reactive Supply Voltage Control from Generation Sources For all kWh, per kWh	0.013¢
Regulation and Frequency Response Service For all kWh, per kWh	0.009¢
Operating Reserve – Spinning Reserve Service For all kWh, per kWh	0.012¢
Operating Reserve – Supplemental Reserve Service For all kWh, per kWh	0.006¢

**Generation Transition Charge**

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 300 kWh, per kWh	4.480¢	4.029¢
Next 300 kWh, per kWh	4.480¢	0.940¢
Next 400 kWh, per kWh	3.594¢	0.939¢
Next 1000 kWh, per kWh	3.751¢	0.940¢
Over 2000 kWh, per kWh	3.751¢	4.023¢

**Regulatory Transition Charges:**

Energy Charge:		
First 300 kWh, per kWh	6.674¢	6.006¢
Next 300 kWh, per kWh	6.674¢	1.402¢
Next 400 kWh, per kWh	5.344¢	1.401¢
Next 1000 kWh, per kWh	5.590¢	1.400¢
Over 2000 kWh, per kWh	7.692¢	6.007¢

**Generation Charge:**

Energy Charge:		
First 300 kWh, per kWh	(3.727)¢	(3.222)¢
Next 300 kWh, per kWh	(3.727)¢	0.262¢
Next 400 kWh, per kWh	(2.733)¢	0.264¢
Next 1000 kWh, per kWh	(2.907)¢	0.264¢
Over 2000 kWh, per kWh	4.403¢	(3.225)¢

**OPTIONAL ELECTRICALLY HEATED APARTMENT RATE "R-09a"**

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**TIME OF DAY PERIODS:**

The off-peak hours are all hours in each day except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. All other hours will be considered on peak.

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**TYPE OF SERVICE:**

The type of service available includes alternating current, 60 hertz, single phase at the Company's secondary voltages, overhead or underground as available at the specific customer location. The customer may elect three-phase service where this can be made available without additional construction cost.

**OPTIONAL ELECTRICALLY HEATED APARTMENT RATE "R-09a"**

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Customer must have permanently installed and in operation, electric space heating equipment supplying the total heating requirements of his residence.
- (3) Customer must have permanently installed and in operation, electric water heating equipment, approved by the Company, supplying the entire requirement for domestic hot water. The maximum electric water heating element rating shall be 5500 watts. Two element water heaters with non-interlocked elements have a permissible total element wattage of 7000 watts. In order to assure satisfactory hot water service, the Company recommends that the water heating equipment in residences have minimum total tank capacity of 40 gallons.
- (4) Continued applicability of this rate to a customer is contingent upon their participation in a positive load control program involving the installation of load controls on electric water heating and central air conditioning should the Company so request.
- (5) Insulation Criteria to be eligible for this rate are:
  - R-38 Ceiling
  - R-18 Wall (combination of cavity insulation and exterior sheathing)
  - R-19 Floor over unheated spaces
  - R-5 Masonry wall insulation
  - R-5 Slab
  - Double glazed windows
  - Insulated metal doors or storm doors on exterior unit doors

In the event the apartment complex undertakes measures to improve the thermal efficiency of the structure in a manner that results in heat loss improvements equivalent to the criteria provided for above, the apartment complex shall have met the criteria of paragraph 5.
- (6) In addition, to qualify for this rate, the apartment complex must utilize heat pumps; or if heating systems other than heat pumps are utilized, any air conditioning system must have a minimum SEER of 10.
- (7) The term of contract for the Summer Time-of-Day option shall be for one year from the start of service under the Option and thereafter until terminated by notice by the Customer, except as otherwise provided in the Company's rules and regulations. Termination by the Customer during the first year shall only be by mutual agreement of the Company.
- (8) The period during which applications for qualifying apartment complexes will be accepted by Toledo Edison will expire on December 31, 1992. This period during which complexes can qualify may be extended at the sole option of the Company with approval of the Public Utilities Commission of Ohio.



**OPTIONAL ELECTRICALLY HEATED APARTMENT RATE "R-09a"**

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Transition Rate Credit Program	Rider No. 9	Sheet No. 86
Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93

**RESIDENTIAL CONSERVATION SERVICE PROGRAM**

Service Description:

- (1) Upon request of an "eligible customer" as defined by Section 456.105(d), the Company shall provide certain services as prescribed by the National Energy Conservation Policy Act of 1978 (Public Law 95-619), 10CFR Part 456 as amended by the Energy Security Act of 1980 (Section 544, Public Law 96-294), and the Ohio State Plan as approved by the United States Department of Energy. Prior to the Company providing requested services, the customer shall remit the amounts corresponding to the specific service(s):

Class A Energy Audit	\$15.00
Duplicate Audits	All Direct Costs

- (2) In case of duplicate audits, the customer shall be provided an estimate of those direct costs which the utility intends to assess.
- (3) The total charges directly recovered from a residential customer shall not exceed \$15.00 per dwelling unit.
- (4) If the service(s) requested by the customer is (are) not performed, all monies remitted by the customer for any RCS Program services shall be refunded to such customer.

**SMALL GENERAL SERVICE RATE "GS-16"**

**APPLICABILITY:**

Available to any Full Service customer on the lines of the Company for service for commercial, industrial, or other general use that does not specifically qualify for another rate. A Full Service customer is one that receives all retail electric services from the Company.

This rate is only available to customers on either Economic Development Rider No. 4 or No. 4A prior to April 18, 1996 and to customers on a special contract pending before the PUCO prior to April 18, 1996.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**WITH DEMAND METER INSTALLED:**

**Distribution Charge:**

Customer Charge:

Single-Phase Service	\$9.00
Three-Phase Service	\$15.00

Demand Charge:

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 50 kWd, per kW	\$3.030	\$2.744
All Additional kWd, per kW	\$2.795	\$2.504

**Transmission Charges:**

Demand Charge:

First 50 kWd, per kW	\$1.142	\$1.034
All Additional kWd, per kW	\$1.053	\$0.944

**SMALL GENERAL SERVICE RATE "GS-16"**

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service	
For all kW, per kW	4.50¢
Reactive Supply Voltage Control from Generation Sources	
For all kW, per kW	8.10¢
Regulation and Frequency Response Service	
For all kW, per kW	5.20¢
Operating Reserve – Spinning Reserve Service	
For all kW, per kW	7.80¢
Operating Reserve – Supplemental Reserve Service	
For all kW, per kW	3.90¢

**Generation Transition Charge:**

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
150 kWh per kWd, per kWh	3.192¢	2.890¢
Next 150 kWh per kWd, per kWh	1.946¢	1.477¢
All Additional kWh, per kWh	1.751¢	1.377¢

**Regulatory Transition Charges:**

Energy Charge:		
150 kWh per kWd, per kWh	4.977¢	4.505¢
Next 150 kWh per kWd, per kWh	3.034¢	2.303¢
All Additional kWh, per kWh	2.730¢	2.147¢

**Generation Charge:**

Demand Charge:		
First 50 kWd, per kW	\$3.243	\$2.907
All Additional kWd, per kW	\$2.967	\$2.627
Energy Charge:		
150 kWh per kWd, per kWh	5.653¢	5.247¢
Next 150 kWh per kWd, per kWh	3.982¢	3.352¢
All Additional kWh, per kWh	3.721¢	3.218¢

**SMALL GENERAL SERVICE RATE "GS-16"**

**WITHOUT DEMAND METER INSTALLED:**

**Distribution Charge:**

Customer Charge:

Single-Phase Service	\$9.00
Three-Phase Service	\$15.00

Energy Charge:

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 1000 kWh, per kWh	3.987¢	3.680¢
All Additional kWh, per kWh	3.496¢	3.200¢

**Transmission Charges:**

Energy Charge:

First 1000 kWh, per kWh	1.504¢	1.387¢
All Additional kWh, per kWh	1.330¢	1.196¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service

For all kWh, per kWh	0.015¢
----------------------	--------

Reactive Supply Voltage Control from Generation Sources

For all kWh, per kWh	0.026¢
----------------------	--------

Regulation and Frequency Response Service

For all kWh, per kWh	0.017¢
----------------------	--------

Operating Reserve – Spinning Reserve Service

For all kWh, per kWh	0.025¢
----------------------	--------

Operating Reserve – Supplemental Reserve Service

For all kWh, per kWh	0.013¢
----------------------	--------

**Generation Transition Charge**

Demand Charge:

For all kWh, per kWh	0.853¢	0.649¢
----------------------	--------	--------

Energy Charge:

First 1000 kWh, per kWh	2.599¢	2.399¢
All Additional kWh, per kWh	2.290¢	2.101¢

**Regulatory Transition Charges:**

Demand Charge:

For all kWh, per kWh	1.329¢	1.011¢
----------------------	--------	--------

Energy Charge:

First 1000 kWh, per kWh	4.056¢	3.743¢
All Additional kWh, per kWh	3.558¢	3.264¢

**SMALL GENERAL SERVICE RATE "GS-16"**

<b><u>Generation Charge:</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Demand Charge:		
For all kWh, per kWh	1.042¢	0.774¢
Energy Charge:		
First 1000 kWh, per kWh	(0.634)¢	(0.477)¢
All Additional kWh, per kWh	(0.422)¢	(0.249)¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of May through September and the Winter period shall be the billing months of October through April.

**MINIMUM CHARGE:**

The minimum charge per month shall be the customer charge.

**MAXIMUM CHARGE:**

For those customers with demand meters excluding those served under the temporary service provision and fixed billing demand customers identified in the second and third paragraphs of the Determination of Monthly Billing Demand provision of this rate schedule, billing under the demand and energy charges of this rate shall not exceed \$.257/KWH. The billing shall include the above charge, the applicable customer charge, and a fuel charge 1.3717¢ per kWh.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**DETERMINATION OF MONTHLY BILLING DEMAND:**

The Company will install a demand meter to determine the maximum integrated fifteen minute demand attained at any time during the month only when the customer's monthly usage has exceeded 3,000 kWh for four consecutive months. The Monthly Demand thus established, but not less than fifty percent of the maximum Monthly Demand within the four month period ending with the month under consideration, shall be taken as the Monthly Billing Demand for that month, provided that said demand shall not be less than 30 kilowatts. Once a demand meter has been installed, it shall continue to be utilized unless the maximum monthly demand has been below 30 kilowatts and the monthly energy consumption has been less than 3,000 kWh for twelve consecutive months.

In the event the characteristics of the customer's load are highly fluctuating as in the case of elevators, hoists, cranes and similar equipment, the Monthly Billing Demand in kilowatts shall be sixty percent of the horsepower nameplate rating of the equipment, less fifteen kilowatts.

**SMALL GENERAL SERVICE RATE "GS-16"**

In the event the Company, in order to prevent voltage fluctuations or disturbances on its system, requires the customer to install a separate transformer or transformers to provide service for X-ray machines, welders, and other equipment having similar characteristics, such service shall be metered and billed separately from the customer's other service. The Monthly Billing Demand in kilowatts for such separate service shall be seventy percent of the kilovoltampere nameplate rating of the Company's standard size transformers required, less fifteen kilowatts.

Service under this rate without a demand meter installed is available to churches which qualify by having the primary use of the electric service for public religious services and related activities during off-peak hours.

The Company may, at its option, test or meter the power factor of the customer's load. A lagging power factor of less than eight tenths (0.8) shall be adjusted by multiplying the demand by the ratio that 0.8 bears to the actual power factor of the load. No adjustment will be made where the power factor is found to be greater than 0.8 lagging, or for a leading power factor.

Monthly Billing Demand shall be computed to the closest kilowatt.

**OFF-PEAK OPTION:**

A Full Service customer qualifying for service under this tariff may request the installation of appropriate metering and time based recording equipment so that the Monthly Billing Demand may be determined. A Full Service customer is one that receives all retail electric services from the Company. Such customer shall pay the added cost of the new metering and recording system in excess of the cost of a standard metering system for a similar customer of this rate class. There shall also be an additional Customer Charge of \$90.00 if a detailed demand profile is provided by the Company at the customer's request. Election of this option shall be for a minimum term of one year.

Under this option the maximum monthly demand of a Full Service customer shall be subject to redetermination as follows:

If the Full Service customer's actual maximum monthly demand occurs during off-peak hours, the customer's maximum monthly demand for billing purposes will be the actual maximum monthly demand less three-fourths (3/4) of the difference between the actual maximum monthly demand and the highest demand attained during the on-peak hours of the same month. For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

**TEMPORARY SERVICE:**

Service for less than one year will be supplied under this provision of this rate, provided the Company has sufficient capacity available and such service will not be detrimental to the Company's service to other customers.

In applying for temporary service, the customer shall pay the Company for the cost of meter setting and removal, service connections, line construction and other special costs incurred by the Company to supply him.

**SMALL GENERAL SERVICE RATE "GS-16"**

**UNMETERED SERVICE:**

Unmetered service is available to customers for commercial purposes consisting of continuous fixed electric loads not exceeding 15 kilowatts which can be served by a standard service drop from the Company's existing secondary distribution system.

Kilowatt-hours shall be determined for each month by taking the product of 730 times the rated or measured load in kilowatts.

Each separate point of delivery of service shall be considered as one customer and billed separately.

The customer shall notify the Company in advance of every change in connected load, and the Company reserves the right to inspect the customer's equipment at any time to verify or measure the actual load. In the event the customer fails to notify the Company of an increase in load, the Company shall be entitled to render an adjusted bill on the basis of the increased load for the full period such load was connected and further reserves the right to refuse to provide unmetered service at the delivery point thereafter.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Service under this rate shall be alternating current, 60 Hertz, single and three phase at the Company's standard voltages.
- (3) Customers who desire combined light and power service on this rate, as such service becomes available, shall make such changes in their wiring and/or equipment as may be necessary to receive all service from the Company's four wire secondary system.
- (4) The term of contract shall be for one year from date of application and thereafter until terminated by ten days written notice from the customer to the Company, except as otherwise provided in the temporary service clause of this rate or in the Company's rules and regulations.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94



**SMALL SCHOOL RATE "SR-1a"**

**APPLICABILITY:**

Available to any not for profit educational entity on the lines of the Company for service to school buildings being used for primary and secondary education. Said buildings must have separate metering facilities. Service under this rate is to be used exclusively for classroom and related requirements. Facilities such as parking garages, administration buildings, maintenance buildings, etc., are to be billed on the Company's appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge:

Single-Phase Service	\$9.00
Three-Phase Service	\$15.00

**Summer**      **Winter**

Demand Charge:

First 50 kWd, per kW	\$4.203	\$3.803
All Additional kWd, per kW	\$3.870	\$3.463

**Transmission Charges:**

Demand Charge:

First 50 kWd, per kW	\$0.734	\$0.664
All Additional kWd, per kW	\$0.676	\$0.605

**SMALL SCHOOL RATE "SR-1a"**

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service	
For all kWd, per kW	1.80¢
Reactive Supply Voltage Control from Generation Sources	
For all kWd, per kW	3.20¢
Regulation and Frequency Response Service*	
For all kWd, per kW	2.00¢
Operating Reserve – Spinning Reserve Service*	
For all kWd, per kW	3.10¢
Operating Reserve – Supplemental Reserve Service*	
For all kWd, per kW	1.50¢

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**Generation Transition Charge:**

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 150 kWh per kWd, per kWh	2.871¢	2.599¢
Next 150 kWh per kWd, per kWh	1.752¢	1.328¢
All Additional kWh, per kWh	1.574¢	1.232¢

**Regulatory Transition Charges:**

Energy Charge:		
First 150 kWh per kWd, per kWh	4.017¢	3.637¢
Next 150 kWh per kWd, per kWh	2.451¢	1.858¢
All Additional kWh, per kWh	2.202¢	1.724¢

**Generation Charge:**

Demand Charge:		
First 50 kWd, per kW	\$1.247	\$1.117
All Additional kWd, per kW	\$1.138	\$1.006
Energy Charge:		
First 150 kWh per kWd, per kWh	4.644¢	4.336¢
Next 150 kWh per kWd, per kWh	3.369¢	2.886¢
All Additional kWh, per kWh	3.166¢	2.776¢

**SMALL SCHOOL RATE "SR-1a"**

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from an approved Certified Supplier

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Demand Credit:		
First 50 kWd, per kW	\$2.746	\$2.484
All Additional kWd, per kW	\$2.528	\$2.262
Energy Credit:		
First 150 kWh per kWd, per kWh	4.428¢	4.276¢
Next 150 kWh per kWd, per kWh	3.281¢	2.583¢
All Additional kWh, per kWh	2.987¢	2.425¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of May through September and the Winter period shall be the billing months of October through April.

**MINIMUM CHARGE:**

The minimum charge per month shall be the customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**DETERMINATION OF MONTHLY BILLING DEMAND:**

The Company will install a demand meter to determine the maximum integrated fifteen minute demand attained at any time during the month. The Monthly Demand thus established, but not less than fifty percent of the maximum Monthly Demand within the four month period ending with the month under consideration, shall be taken as the Monthly Billing Demand for that month, provided that said demand shall not be less than 5 kilowatts.

In the event the characteristics of the customer's load are highly fluctuating as in the case of elevators, hoists, cranes and similar equipment, the Monthly Billing Demand in kilowatts shall be sixty percent of the horsepower nameplate rating of the equipment, less fifteen kilowatts.

In the event the Company, in order to prevent voltage fluctuations or disturbances on its system, requires the customer to install a separate transformer or transformers to provide service for X-ray machines, welders, and other equipment having similar characteristics, such service shall be metered and billed separately from the customer's other service. The Monthly Billing Demand in kilowatts for such separate service shall be seventy percent of the kilovoltampere nameplate rating of the Company's standard size transformers required, less fifteen kilowatts.

The Company may, at its option, test or meter the power factor of the customer's load. A lagging power factor of less than eight tenths (0.8) shall be adjusted by multiplying the demand by the ratio that 0.8 bears to the actual power factor of the load. No adjustment will be made where the power factor is found to be greater than 0.8 lagging, or for a leading power factor.

Monthly Billing Demand shall be computed to the closest kilowatt.

**SMALL SCHOOL RATE "SR-1a"**

**OFF-PEAK OPTION:**

A Full Service customer may request the installation of appropriate metering and time based recording equipment so that the Monthly Billing Demand may be determined under this optional provision. Such customer shall pay the added cost of the new metering and recording system in excess of the cost of a standard metering system for a similar customer of this rate class. There shall also be an additional Customer Charge of \$90.00 if a detailed demand profile is provided by the Company at the customer's request. Election of this option shall be for a minimum term of one year. A Full Service customer is one that receives all retail electric services from the Company.

Under this option the maximum monthly demand for Full Service customers shall be subject to redetermination as follows:

If the customer's actual maximum monthly demand occurs during off-peak hours, the customer's maximum monthly demand for billing purposes will be the actual maximum monthly demand less three-fourths (3/4) of the difference between the actual maximum monthly demand and the highest demand attained during the on-peak hours of the same month. For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

**APPLICATION DATE, TERMINATION:**

The Application Date means the date on which the Customer applied for service under this tariff. This tariff will terminate on June 1, 1995, unless approval to extend this tariff is sought by the Company and granted by the Public Utilities Commission of Ohio. The term of the contract shall cover the period from the date of application to June 1, 1995, with a self-renewal provision for successive periods of two years each until either party shall give at least one year written notice to the other of its intention to discontinue at the end of any period. If it is determined that said service location no longer qualifies, billing under this tariff will cease upon thirty (30) days advance written notice filed by the Company with the Customer.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Service under this rate shall be alternating current, 60 Hertz, single and three phase at the Company's standard voltages.
- (3) Customers who desire combined light and power service on this rate, as such service becomes available, shall make such changes in their wiring and/or equipment as may be necessary to receive all service from the Company's four wire secondary system.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

**LARGE SCHOOL RATE "SR-2a"**

**APPLICABILITY:**

Available to any not for profit educational entity on the lines of the Company for service to school buildings being used for primary and secondary education who will guarantee a Monthly Billing Demand of at least one hundred fifty (150) kilovolt-amperes. Said buildings must have separate metering facilities. Service under this rate is to be used exclusively for classroom and related requirements. Facilities such as parking garages, administration buildings, maintenance buildings, etc., are to be billed on the Company's appropriate general service rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge:	\$175.00	
	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Demand Charge:		
First 200 kVA, per kVA	\$3.611	\$3.316
All Additional kVA Over 200 kVA, per kVA	\$3.426	\$3.112

**Transmission Charges:**

Demand Charge:		
First 200 kVA, per kVA	\$0.862	\$0.792
All Additional kVA Over 200 kVA, per kVA	\$0.818	\$0.743

**LARGE SCHOOL RATE "SR-2a"**

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service	
For all kVA, per kVA	3.50¢
Reactive Supply Voltage Control from Generation Sources	
For all kVA, per kVA	6.40¢
Regulation and Frequency Response Service*	
For all kVA, per kVA	4.10¢
Operating Reserve – Spinning Reserve Service*	
For all kVA, per kVA	6.20¢
Operating Reserve – Supplemental Reserve Service*	
For all kVA, per kVA	3.10¢

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**Generation Transition Charge:**

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 300 kWh per kVA, per kWh	2.514¢	2.205¢
All Additional kWh, per kWh	0.800¢	0.800¢

**Regulatory Transition Charges:**

Energy Charge:		
First 300 kWh per kVA, per kWh	3.748¢	3.287¢
All Additional kWh, per kWh	1.192¢	1.192¢

**Generation Charge:**

Demand Charge:		
First 200 kVA, per kVA	\$8.524	\$7.809
All Additional kVA Over 200 kVA, per kVA	\$8.073	\$7.312
Energy Charge:		
First 300 kWh per kVA, per kWh	0.173¢	0.321¢
All Additional kWh, per kWh	0.990¢	0.990¢

**LARGE SCHOOL RATE "SR-2a"**

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from an approved Certified Supplier

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Demand Credit:		
First 200 kVA, per kVA	\$6.064	\$5.569
All Additional kVA Over 200 kVA, per kVA	\$5.752	\$5.225
Energy Credit:		
First 300 kWh per kVA, per kWh	2.874¢	2.569¢
All Additional kWh, per kWh	1.185¢	1.185¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of May through September and the Winter period shall be the billing months of October through April.

**MINIMUM:**

The net minimum charge per month shall be the customer charge plus the applicable demand charge applied to the monthly billing demand, including applicable adjustment charges or credits.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**ORDER OF BILLING:**

All charges and discounts shall be billed in the order in which they are presented in this tariff.

**MONTHLY BILLING DEMAND:**

The customer's monthly demand shall be the highest fifteen (15) minute kilovolt-ampere demand determined by dividing the highest kilowatt demand attained during the month by the average monthly power factor. Any leading power factor shall be considered as unity.

(1) **Off-Peak Option:**

A Full Service customer may request the installation of appropriate metering and time based recording equipment so that the Monthly Billing Demand may be determined under this optional provision. Such customer shall pay the added cost of the new metering and recording system in excess of the cost of a standard metering system for a similar customer of this rate class. There shall also be an additional Customer Charge of \$90.00 if a detailed demand profile is provided by the Company at the customer's request. Election of this option shall be for a minimum term of one year. A Full Service customer is one that receives all electric services from the Company.

### **LARGE SCHOOL RATE "SR-2a"**

Under this option the maximum monthly demand for Full Service customers shall be subject to redetermination as follows:

If the customer's actual maximum monthly demand occurs during off-peak hours, the customer's maximum monthly demand for billing purposes will be the actual maximum monthly demand less three-fourths (3/4) of the difference between the actual maximum monthly demand and the highest demand attained during the onpeak hours of the same month. For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

**(2) Minimum Billing Demands:**

The Minimum Monthly Billing Demand shall be the monthly demand but not less than:

- (a) Fifty percent (50%) of the highest monthly demand experienced within the six months period ending with the month under consideration; or
  - (b) One hundred fifty (150) kilovolt-amperes; or
  - (c) Forty-five (45) kVA or one hundred fifteen (115) kVA for those customers having demands less than one hundred fifty (150) kVA and who are receiving service at 4000 volts and higher on the effective date of this rate; corresponding to 40 kW and 100 kW as was in effect for them at the time of the signing of their contract on this rate's predecessors.
- (3) In the event the characteristics of the customer's load are highly fluctuating as in the case of elevators, hoists, cranes and similar equipment, the Monthly Billing Demand in kilovolt-amperes shall be sixty percent (60%) of the horsepower nameplate rating of the equipment.
- (4) The Company may, at its option, determine the demand and/or power factor continuously, monthly or at other regular intervals.
- (5) In the event the Company, in order to prevent voltage fluctuations or disturbances on its system, requires the customer to install a separate transformer or transformers to provide service for X-ray machines, welders, and other equipment having similar characteristics, such service shall be metered and billed separately from the customer's other service. The Monthly Billing Demand in kilovolt-amperes for such separate service shall be seventy percent (70%) of the kilovolt-ampere nameplate rating of the Company's standard size transformers required.

### **TRANSFORMER DISCOUNT:**

A discount on the demand charge of fifty-five cents (55 cents) per month per kilovolt-ampere of Monthly Billing Demand will be made to any customer taking service at 4000 volts or higher who furnishes all transformer equipment. Any customer whether served at secondary or primary voltage and receiving a discount as of the effective date of this rate for having installed his own transformers will continue receiving this discount.



**LARGE SCHOOL RATE "SR-2a"**

**PRIMARY SERVICE DISCOUNT:**

A discount on the net bill, excluding all applicable rider charges, of three and one-half percent (3 1/2%) will be made to any customer receiving primary service and owning the substation, in compliance with the Terms and Conditions section of this rate.

**DELIVERY VOLTAGE:**

(1) **Secondary Service:**

This service covers the supply of three phase, 60 Hertz alternating current, at the Company's standard secondary voltages, and those who, as of the effective date of this rate, are served at 4000 volts or higher primary but are not supplying their own substations.

(2) **Primary Service:**

This service covers the supply of three phase, 60 Hertz alternating current at no less than 4000 volts for customers owning the substation. Company's present underground district or any extension thereof, will be served at this rate.

All current on this service will be measured at the service voltage of 4000 volts or higher. The Company shall have the option of metering at secondary voltage and adjusting to a primary metering basis by the use of compensating meters or by estimate based on the rated transformer losses.

**APPLICATION DATE, TERMINATION:**

The Application Date means the date on which the Customer applied for service under this tariff. This tariff will terminate on June 1, 1995, unless approval to extend this tariff is sought by the Company and granted by the Public Utilities Commission of Ohio. The term of the contract shall cover the period from the date of application to June 1, 1995, with a self-renewal provision for successive periods of two years each until either party shall give at least one year written notice to the other of its intention to discontinue at the end of any period. If it is determined that said service location no longer qualifies, billing under this tariff will cease upon thirty (30) days advance written notice filed by the Company with the Customer.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) The Company will construct the primary voltage line to the customer's property line and will furnish and install the first span of conductors on the customer's property to the customer's structure.

In the event that more than one span of primary voltage circuit is required on the customer's property, the customer will furnish, install, own and maintain the necessary structures, conductors, and related primary voltage line equipment.

The design and construction of all such facilities shall be subject to the Company's approval.

- (3) Substation facilities necessary for utilization of power as delivered to the customer's premises shall be the responsibility of the customer. Such facilities shall include (but shall not be limited to) protective fences, supporting structures, line voltage bus, transformers, switch gear, protective devices, voltage regulators, etc., required to receive, transform and deliver service to the customer's utilization equipment.

The design and construction of the substation and the rating and specifications of the electrical equipment shall be subject to approval by the Company.

**LARGE SCHOOL RATE "SR-2a"**

**TERMS AND CONDITIONS:** (Cont'd)

When, in the judgment of the Company, circuit breakers are required in the customer's substation for assuring the continuity of service to the customer or for the protection of service to other customers, the customer shall furnish, install, own and maintain such circuit breakers with rating as specified by the Company.

- (4) The customer shall provide, without charge to the Company, the necessary space, structure and foundations for the Company's metering equipment and instruments.
- (5) The Company shall have access to the premises at all times. All equipment furnished by the Company shall be and remain the property of the Company.
- (6) The customer shall provide all equipment necessary to regulate his operations so that the Company's primary voltage shall not be subject to excessive variation.
- (7) For the protection of the Company's facilities, the customer may be required to furnish, install, and maintain a load limiting device approved by and under the sole control of the Company.
- (8) Where the customer desires lighting service incidental to his power requirements such service may be purchased under this rate provided the customer furnishes the additional transformers and all other equipment necessary. All such incidental lighting shall be metered through the power meter.
- (9) The customer shall use extraordinary care in so designing his circuits that the loads on the individual phases shall be practically balanced at all times.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

**LARGE GENERAL SERVICE RATE "GS-12"**

**APPLICABILITY:**

Available to any Full Service customer on the lines of the Company applying for permanent service for commercial or industrial uses who will guarantee a Monthly Billing Demand of at least one hundred fifty (150) kilovolt-amperes. A Full Service customer is one that receives all retail electric services from the Company.

This rate is only available to customers on either Economic Development Rider No. 4 of No. 4A prior to April 18, 1996 and customers on a special contract pending before the PUCO prior to April 18, 1996.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges and Generation Charges as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge:**

Customer Charge: \$175.00

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Demand Charge:		
First 200 kVA, per kVA	\$3.162	\$2.903
All Additional kVA Over 200 kVA, per kVA	\$2.998	\$2.725

**Transmission Charges:**

Demand Charge:		
First 200 kVA, per kVA	\$1.280	\$1.175
All Additional kVA Over 200 kVA, per kVA	\$1.213	\$1.103

**LARGE GENERAL SERVICE RATE "GS-12"**

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service		
For all kVA, per kVA		5.20¢
Reactive Supply Voltage Control from Generation Sources		
For all kVA, per kVA		9.40¢
Regulation and Frequency Response Service		
For all kVA, per kVA		6.00¢
Operating Reserve – Spinning Reserve Service		
For all kVA, per kVA		9.00¢
Operating Reserve – Supplemental Reserve Service		
For all kVA, per kVA		4.50¢

**Generation Transition Charge**

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 300 kWh per kVA,per kWh	2.854¢	2.502¢
All Additional kWh, per kWh	0.884¢	0.884¢

**Regulatory Transition Charges:**

Energy Charge:		
First 300 kWh per kVA,per kWh	4.820¢	4.226¢
All Additional kWh, per kWh	1.492¢	1.492¢

**Generation Charge:**

Demand Charge:		
First 200 kVA, per kVA	\$11.227	\$10.281
All Additional kVA Over 200 kVA, per kVA	\$10.628	\$9.631
Energy Charge:		
First 300 kWh per kVA,per kWh	0.076¢	0.242¢
All Additional kWh, per kWh	1.005¢	1.002¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of May through September and the Winter period shall be the billing months of October through April.

**MINIMUM:**

The net minimum charge per month shall be the customer charge plus the applicable demand charge applied to the monthly billing demand, including applicable adjustment charges or credits.

**LARGE GENERAL SERVICE RATE "GS-12"**

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**ORDER OF BILLING:**

All charges and discounts shall be billed in the order in which they are presented in this tariff.

**MONTHLY BILLING DEMAND:**

The customer's monthly demand shall be the highest fifteen (15) minute kilovolt-ampere demand determined by dividing the highest kilowatt demand attained during the month by the average monthly power factor. Any leading power factor shall be considered as unity.

**(1) Off-Peak Option:**

A Full Service customer qualifying for service under this tariff may request the installation of appropriate metering and timebased recording equipment so that the Monthly Billing Demand may be determined under this optional provision. Such customer shall pay the added cost of the new metering and recording system in excess of the cost of a standard metering system for a similar customer of this rate class. There shall also be an additional Customer Charge of \$90.00 if a detailed demand profile is provided by the Company at the customer's request. Election of this option shall be for a minimum term of one year. A Full Service customer is one that receives all retail electric services from the Company.

Under this option the maximum monthly demand for Full Service customers shall be subject to redetermination as follows:

If the customer's actual maximum monthly demand occurs during off-peak hours, the customer's maximum monthly demand for billing purposes will be the actual maximum monthly demand less three-fourths (3/4) of the difference between the actual maximum monthly demand and the highest demand attained during the onpeak hours of the same month. For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

**LARGE GENERAL SERVICE RATE "GS-12"**

**MONTHLY BILLING DEMAND: (Cont'd)**

**(2) Minimum Billing Demands:**

The Minimum Monthly Billing Demand shall be the monthly demand but not less than:

- (a) Fifty percent (50%) of the highest monthly demand experienced within the six months period ending with the month under consideration; or
  - (b) One hundred fifty (150) kilovolt-amperes; or
  - (c) Forty-five (45) kVA or one hundred fifteen (115) kVA for those customers having demands higher on the effective date of this rate; corresponding to 40 kW and 100 kW as was in effect for them at the time of the signing of their contract on this rate's predecessors.
- (3) In the event the characteristics of the customer's load are highly fluctuating as in the case of elevators, hoists, cranes and similar equipment, the Monthly Billing Demand in kilovolt-amperes shall be sixty percent (60%) of the horsepower nameplate rating of the equipment.
- (4) The Company may, at its option, determine the demand and/or power factor continuously, monthly or at other regular intervals.
- (5) In the event the Company, in order to prevent voltage fluctuations or disturbances on its system, requires the customer to install a separate transformer or transformers to provide service for X-ray machines, welders, and other equipment having similar characteristics, such service shall be metered and billed separately from the customer's other service. The Monthly Billing Demand in kilovolt-amperes for such separate service shall be seventy percent (70%) of the kilovolt-ampere nameplate rating of the Company's standard size transformers required.

**TRANSFORMER DISCOUNT:**

A discount on the demand charge of 55 cents per month per kilovolt-ampere of Monthly Billing Demand will be made to any customer taking service at 4000 volts or higher who furnishes all transformer equipment. Any customer whether served at secondary or primary voltage and receiving a discount as of the effective date of this rate for having installed his own transformers will continue receiving this discount.

**PRIMARY SERVICE DISCOUNT:**

A discount on the net bill, excluding all applicable riders, of three and one-half percent (3.5%) will be made to any customer receiving primary service and owning the substation, in compliance with the Terms and Conditions section of this rate.

**PRIMARY PROTECTION CHARGE:**

The Company is willing to furnish the primary protection electrical equipment to supply the customer's contract capacity. The primary protection equipment shall be of the Company's standard rating and specifications. The Company will own and maintain the primary protection equipment and will assess the customer a monthly charge computed at 1.60% of the Company's total investment in the equipment.

If the customer elects to have the Company furnish such facilities, the customer shall provide the necessary site acceptable to the Company and furnish, install and maintain the foundations, structures and fences. The customer shall reimburse the Company for costs of installation of such electrical equipment furnished by the Company.

The monthly charges as provided for herein shall commence with the completion of equipment installation by the Company.

**LARGE GENERAL SERVICE RATE "GS-12"**

**PRIMARY PROTECTION CHARGE (Cont'd)**

In the event that the amount of the Company's investment in such primary protection electrical facilities is increased or decreased due to change in amount of capacity provided or to other causes, the monthly charge computation shall be adjusted to reflect such change in the amount of the Company's investment.

**NON-STANDARD FREQUENCY CHARGE:**

The total bill shall be increased by 25% for the remaining customer being served at 25 Hertz.

**DELIVERY VOLTAGE:**

(1) **Secondary Service:**

This service covers the supply of three phase, 60 Hertz alternating current, at the Company's standard secondary voltages, and those who, as of the effective date of this rate, are served at 4000 volts or higher primary but are not supplying their own substations.

(2) **Primary Service:**

This service covers the supply of three phase, 60 Hertz alternating current at no less than 4000 volts for customers owning the substation. Customer receiving service at 25 Hertz will continue to be serviced as long as such supply is available but no additional 25 Hertz service will be provided. No additional installations at 4160 volts in the Company's present underground district or any extension thereof, will be served at this rate.

All current on this service will be measured at the service voltage of 4000 volts or higher. The Company shall have the option of metering at secondary voltage and adjusting to a primary metering basis by the use of compensating meters or by estimate based on the rated transformer losses.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) The Company will construct the primary voltage line to the customer's property line and will furnish and install the first span of conductors on the customer's property to the customer's structure.

In the event that more than one span of primary voltage circuit is required on the customer's property, the customer will furnish, install, own and maintain the necessary structures, conductors, and related primary voltage line equipment.

The design and construction of all such facilities shall be subject to the Company's approval.

- (3) Substation facilities necessary for utilization of power as delivered to the customer's premises shall be the responsibility of the customer. Such facilities shall include (but shall not be limited to) protective fences, supporting structures, line voltage bus, transformers, switchgear, protective devices, voltage regulators, etc., required to receive, transform and deliver service to the customer's utilization equipment.

The design and construction of the substation and the rating and specifications of the electrical equipment shall be subject to approval by the Company.

When, in the judgment of the Company, circuit breakers are required in the customer's substation for assuring the continuity of service to the customer or for the protection of service to other customers, the customer shall furnish, install, own and maintain such circuit breakers with rating as specified by the Company.

**LARGE GENERAL SERVICE RATE "GS-12"**

**TERMS AND CONDITIONS: (Cont'd)**

- (4) The customer shall provide, without charge to the Company, the necessary space, structure and foundations for the Company's metering equipment and instruments.
- (5) The Company shall have access to the premises at all times. All equipment furnished by the Company shall be and remain the property of the Company.
- (6) The customer shall provide all equipment necessary to regulate his operations so that the Company's primary voltage shall not be subject to excessive variation.
- (7) For the protection of the Company's facilities, the customer may be required to furnish, install, and maintain a load limiting device approved by and under the sole control of the Company.
- (8) Where the customer desires lighting service incidental to his power requirements such service may be purchased under this rate provided the customer furnishes the additional transformers and all other equipment necessary. All such incidental lighting shall be metered through the power meter.
- (9) The customer shall use extraordinary care in so designing his circuits that the loads on the individual phases shall be practically balanced at all times.

**TERMS OF SERVICE & CONTRACT:**

Service shall be supplied at the legal rates in effect at the time service is rendered for the following terms with a self-renewal provision for successive periods of one year each until either party shall give at least ninety days written notice to the other of its intention to discontinue at the end of any period.

<b>Contract Capacity</b>	<b>Term of Contract</b>
Up to 150 kilovolt-amperes	1 Year
150 to 1000 kilovolt-amperes	2 Years
Over 1000 kilovolt-amperes	3 Years

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94



**GENERAL SERVICE RATE "GS-14"**

**APPLICABILITY:**

Applicable to any customer on the lines of the Company for service for commercial, industrial, or other general use that does not specifically qualify for another rate.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge:

Single-Phase Service \$9.00

Three-Phase Service \$15.00

**Summer**      **Winter**

Energy Charge:

For the first 500 kWh, per kWh 3.346¢ 2.968¢

For the next 4,500 kWh, per kWh 3.162¢ 2.807¢

For the next 5,000 kWh, per kWh 2.448¢ 2.172¢

For all Additional kWh, per kWh 1.668¢ 1.479¢

**Transmission Charges:**

Energy Charge:

For the first 500 kWh, per kWh 0.427¢ 0.379¢

For the next 4,500 kWh, per kWh 0.404¢ 0.359¢

For the next 5,000 kWh, per kWh 0.313¢ 0.278¢

For all Additional kWh, per kWh 0.213¢ 0.189¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service

For all kWh, per kWh 0.017¢

Reactive Supply Voltage Control from Generation Sources

For all kWh, per kWh 0.030¢

Regulation and Frequency Response Service \*

For all kWh, per kWh 0.019¢

Operating Reserve – Spinning Reserve Service \*

For all kWh, per kWh 0.029¢

Operating Reserve – Supplemental Reserve Service \*

For all kWh, per kWh 0.014¢

**GENERAL SERVICE RATE "GS-14"**

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

<b><u>Generation Transition Charge</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
For the first 500 kWh, per kWh	2.637¢	2.339¢
For the next 4,500 kWh, per kWh	2.492¢	2.212¢
For the next 5,000 kWh, per kWh	1.929¢	1.712¢
For all Additional kWh, per kWh	1.315¢	1.166¢

**Regulatory Transition Charges:**

Energy Charge:		
For the first 500 kWh, per kWh	3.930¢	3.486¢
For the next 4,500 kWh, per kWh	3.714¢	3.297¢
For the next 5,000 kWh, per kWh	2.875¢	2.552¢
For all Additional kWh, per kWh	1.960¢	1.738¢

**Generation Charge:**

Energy Charge:		
For the first 500 kWh, per kWh	5.263¢	4.811¢
For the next 4,500 kWh, per kWh	5.041¢	4.618¢
For the next 5,000 kWh, per kWh	4.188¢	3.859¢
For all Additional kWh, per kWh	3.257¢	3.031¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier

Energy Credit:		
For the first 500 kWh, per kWh	5.062¢	4.490¢
For the next 4,500 kWh, per kWh	4.783¢	4.276¢
For the next 5,000 kWh, per kWh	4.276¢	3.905¢
For all Additional kWh, per kWh	3.091¢	2.786¢

**GENERAL SERVICE RATE "GS-14"**

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM CHARGE:**

The minimum charge per month shall be the customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**TEMPORARY SERVICE:**

Service for less than one year will be supplied under this provision of this rate, provided the Company has sufficient capacity available and such service will not be detrimental to the Company's service to other customers.

In applying for temporary service, the customer shall pay the Company for the cost of meter setting and removal, service connections, line construction and other special costs incurred by the Company to supply service.

**UNMETERED SERVICE:**

Unmetered service is available to customers for commercial purposes consisting of continuous fixed electric loads not exceeding 15 kilowatts which can be served by a standard service drop from the Company's existing secondary distribution system.

Kilowatt-hours shall be determined for each month by taking the product of 730 times the rated or measured load in kilowatts.

Each separate point of delivery of service shall be considered as one customer and billed separately.

The customer shall notify the Company in advance of every change in connected load, and the Company reserves the right to inspect the customer's equipment at any time to verify or measure the actual load. In the event the customer fails to notify the Company of an increase in load, the Company shall be entitled to render an adjusted bill on the basis of the increased load for the full period such load was connected and further reserves the right to refuse to provide unmetered service at the delivery point thereafter.

**GENERAL SERVICE RATE "GS-14"**

**SCHEDULE TRANSFERS:**

- (1) If in any month the demand equals or exceeds 30 kW, the service for that month and for subsequent months shall be billed under the Small General Service Schedule as long as such schedule is applicable.

Any customer with an annual hours use (KWH/KW) of 275 or higher may obtain service under the Small General Service Schedule. Customers may change rates once per year, in January, or at the initial installation.

- (2) Demand meters will be installed when, in the judgment of the Company based on tests or other data, the billing demand may exceed 30 kW.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Service under this rate shall be alternating current, 60 Hertz, single and three phase at the Company's standard voltages.
- (3) In the event the Company, in order to prevent voltage fluctuations or disturbances on its system, requires the customer to install a separate transformer or transformers to provide service for x-ray machines, welders, and other equipment having similar characteristics, such service shall be metered and billed separately from the customer's other service. The Monthly Billing Demand in kilowatts for such separate service shall be seventy percent of the kilovoltampere nameplate rating of the Company's standard size transformers required, less fifteen kilowatts.
- (4) Customers who desire combined light and power service on this rate, as such service becomes available, shall make such changes in their wiring and/or equipment as may be necessary to receive all service from the Company's four wire secondary system.
- (5) Service under this rate without a demand meter installed is available to facilities used for public religious worship that qualify by having the primary use of electric service for public religious service during off-peak hours. Facilities used for on-peak weekday school purposes shall not be eligible for this rate.
- (6) The term of contract shall be for one year from date of application and thereafter until terminated by ten days written notice from the customer to the Company, except as otherwise provided in the temporary service clause of this rate or in the Company's rules and regulations.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

**SMALL GENERAL SERVICE SCHEDULE**

**APPLICABILITY:**

Applicable to any customer on the lines of the Company applying for permanent service for commercial or industrial uses having a demand equal to or in excess of 30 kW during the current month or any of the preceding eleven months or any customer with less than 30 kW with an hours use (KWH/KW) of 275 or higher.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Reactive Demand Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge:	\$25.00	
	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Demand Charge:		
For the first 50 kWd	\$4.787	\$4.359
For all excess over 50 kWd	\$4.593	\$4.175
Reactive Demand Charge:		
For each rkVa of reactive billing demand		\$0.48

**Transmission Charges:**

Demand Charge:		
For the first 50 kWd	\$1.083	\$0.986
For all excess over 50 kWd	\$1.039	\$0.944

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service		
For all kWd, per kW		4.50¢
Reactive Supply Voltage Control from Generation Sources		
For all kWd, per kW		8.10¢
Regulation and Frequency Response Service*		
For all kWd, per kW		5.20¢
Operating Reserve – Spinning Reserve Service*		
For all kWd, per kW		7.80¢
Operating Reserve – Supplemental Reserve Service*		
For all kWd, per kW		3.90¢

**SMALL GENERAL SERVICE SCHEDULE**

- \* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

<b><u>Generation Transition Charge:</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
For the first 200 kWh per kWd, per kWh	2.558¢	2.328¢
For the next 200 kWh per kWd, per kWh	2.309¢	2.097¢
For all Excess kWh, per kWh	2.079¢	1.888¢

<b><u>Regulatory Transition Charges:</u></b>		
Energy Charge:		
For the first 200 kWh per kWd, per kWh	3.813¢	3.469¢
For the next 200 kWh per kWd, per kWh	3.442¢	3.125¢
For all Excess kWh, per kWh	3.098¢	2.815¢

<b><u>Generation Charge:</u></b>		
Demand Charge:		
For the first 50 kWd	\$7.375	\$6.690
For all excess over 50 kWd	\$7.063	\$6.396
Energy Charge:		
For the first 200 kWh per kWd, per kWh	1.991¢	1.935¢
For the next 200 kWh per kWd, per kWh	1.931¢	1.880¢
For all Excess kWh, per kWh	1.875¢	1.829¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier

Demand Credit:		
For the first 50 kWd	\$4.930	\$4.489
For all excess over 50 kWd	\$4.729	\$4.300
Energy Credit:		
For the first 200 kWh per kWd, per kWh	3.113¢	2.869¢
For the next 200 kWh per kWd, per kWh	2.849¢	2.623¢
For all Excess kWh, per kWh	2.604¢	2.403¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**MINIMUM CHARGE:**

The minimum charge shall be the customer charge.

## **SMALL GENERAL SERVICE SCHEDULE**

### **MAXIMUM CHARGE:**

For a customer under this schedule, billing under the demand and energy charges of this rate shall not exceed \$.257/kWh. The billing shall include the above charge, all applicable Rider charges and a fuel charge of 1.3717¢ per kwh.

### **TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

### **ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

### **DETERMINATION OF MONTHLY BILLING DEMAND:**

The Company will install a demand meter to determine the maximum integrated fifteen minute demand attained at any time during the month, when, in the judgment of the Company based on tests or other data, the billing demand may exceed 30 kW.

If for a period of twelve consecutive months, the demand of one installation or the undiversified total demand of several installations eligible for Combined Billing in each such month is less than 30 kW, except as allowed under the General Service Rate, subsequent service and billing shall be under the terms of the General Service Rate as long as such schedule is applicable.

In the event the characteristics of the customer's load are highly fluctuating as in the case of elevators, hoists, cranes and similar equipment, the Monthly Billing Demand in kilowatts shall be sixty percent of the horsepower nameplate rating of the equipment, less fifteen kilowatts.

In the event the Company, in order to prevent voltage fluctuations or disturbances on its system, requires the customer to install a separate transformer or transformers to provide service for X-ray machines, welders, and other equipment having similar characteristics, such service shall be metered and billed separately from the customer's other service. The Monthly Billing Demand in kilowatts for such separate service shall be seventy percent of the kilovoltampere nameplate rating of the Company's standard size transformers required, less fifteen kilowatts.

The Company may, at its option, test or meter the power factor of the customer's load. A lagging power factor of less than eight tenths (0.8) shall be adjusted by multiplying the demand by the ratio that 0.8 bears to the actual power factor of the load. No adjustment will be made where the power factor is found to be greater than 0.8 lagging, or for a leading power factor.

### **OFF-PEAK OPTION:**

A Full Service customer may request the installation of appropriate metering and time based recording equipment so that the Monthly Billing Demand may be determined under this optional provision. Such customer shall pay the added cost of the new metering and recording system in excess of the cost of a standard metering system for a similar customer of this rate class. There shall also be an additional Customer Charge of \$90.00 if a detailed demand profile is provided by the Company at the customer's request. Election of this option shall be for a minimum term of one year. A Full Service customer is one that receives all retail electric services from the Company.

## **SMALL GENERAL SERVICE SCHEDULE**

### **OFF-PEAK OPTION: (Cont'd)**

Under this option the maximum monthly demand for Full Service customers shall be subject to redetermination as follows:

If the customer's actual maximum monthly demand occurs during off-peak hours, the customer's maximum monthly demand for billing purposes will be the actual maximum monthly demand less three-fourths (3/4) of the difference between the actual maximum monthly demand and the highest demand attained during the on-peak hours of the same month. For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

### **REACTIVE BILLING DEMAND:**

- (1) For all single-phase installations and for those three-phase installations where the Kilowatt Demand on any Class of Service is less than 65 kW, the reactive billing demand shall be zero.
- (2) If the Kilowatt Demand is 65 kW or higher for three-phase installations, the reactive billing demand shall be determined by multiplying the monthly Kilowatt Demand by the ratio of the monthly lagging reactive kilovoltampere hours to the monthly kilowatt-hours and subtracting 30 from the resultant product.

### **TEMPORARY SERVICE:**

Service for less than one year will be supplied under this provision of this rate, provided the Company has sufficient capacity available and such service will not be detrimental to the Company's service to other customers.

In applying for temporary service, the customer shall pay the Company for the cost of meter setting and removal, service connections, line construction and other special costs incurred by the Company to supply service.

### **UNMETERED SERVICE:**

Unmetered service is available to customers for commercial purposes consisting of continuous fixed electric loads not exceeding 15 kilowatts which can be served by a standard service drop from the Company's existing secondary distribution system.

Kilowatt-hours shall be determined for each month by taking the product of 730 times the rated or measured load in kilowatts.

Each separate point of delivery of service shall be considered as one customer and billed separately.

The customer shall notify the Company in advance of every change in connected load, and the Company reserves the right to inspect the customer's equipment at any time to verify or measure the actual load. In the event the customer fails to notify the Company of an increase in load, the Company shall be entitled to render an adjusted bill on the basis of the increased load for the full period such load was connected and further reserves the right to refuse to provide unmetered service at the delivery point thereafter.



**SMALL GENERAL SERVICE SCHEDULE**

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Service under this rate shall be alternating current, 60 Hertz, single and three phase at the Company's standard voltages.
- (3) Customers who desire combined light and power service on this rate, as such service becomes available, shall make such changes in their wiring and/or equipment as may be necessary to receive all service from the Company's four wire secondary system.
- (4) The term of contract shall be for one year from date of application and thereafter until terminated by ten days written notice from the customer to the Company, except as otherwise provided in the temporary service clause of this rate or in the Company's rules and regulations.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

**MEDIUM GENERAL SERVICE SCHEDULE**

**APPLICABILITY:**

Applicable to any customer on the lines of the Company applying for permanent service for commercial or industrial uses who will guarantee a monthly demand of at least one hundred fifty (150) kilowatts.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Reactive Demand Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge:	\$175.00	
Reactive Demand Charge:		
Each rkVA of reactive billing demand, per rkVA	\$0.48	
		<b><u>Summer</u></b> <b><u>Winter</u></b>
Demand Charge:		
For the first 200 kWd	\$4.916	\$4.511
For all excess over 200 kWd	\$4.661	\$4.235

**Transmission Charges:**

Demand Charge:		
For the first 200 kWd	\$1.298	\$1.191
For all excess over 200 kWd	\$1.231	\$1.118

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service		
For all kWd, per kW	5.30¢	
Reactive Supply Voltage Control from Generation Sources		
For all kWd, per kW	9.60¢	
Regulation and Frequency Response Service*		
For all kWd, per kW	6.20¢	
Operating Reserve – Spinning Reserve Service*		
For all kWd, per kW	9.30¢	
Operating Reserve – Supplemental Reserve Service*		
For all kWd, per kW	4.60¢	

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**MEDIUM GENERAL SERVICE SCHEDULE**

<b><u>Generation Transition Charge</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
For the first 200 kWh per kWd, per kWh	3.157¢	2.768¢
For the next 200 kWh per kWd, per kWh	2.067¢	1.873¢
For all excess kWh, per kWh	0.977¢	0.977¢

**Regulatory Transition Charges:**

Energy Charge:		
For the first 200 kWh per kWd, per kWh	4.705¢	4.125¢
For the next 200 kWh per kWd, per kWh	3.080¢	2.791¢
For all excess kWh, per kWh	1.456¢	1.456¢

**Generation Charge:**

Demand Charge:		
For the first 200 kWd	\$10.196	\$9.328
For all excess over 200 kWd	\$9.648	\$8.737
Energy Charge:		
For the first 200 kWh per kWd, per kWh	0.135¢	0.288¢
For the next 200 kWh per kWd, per kWh	0.562¢	0.638¢
For all excess kWh, per kWh	0.989¢	0.989¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier

Demand Credit:	<b><u>Summer</u></b>	<b><u>Winter</u></b>
For the first 200 kWd	\$7.874	\$7.226
For all excess over 200 kWd	\$7.466	\$6.784
Energy Credit:		
For the first 200 kWh per kWd, per kWh	3.719¢	3.309¢
For the next 200 kWh per kWd, per kWh	2.572¢	2.367¢
For all excess kWh, per kWh	1.425¢	1.425¢

## MEDIUM GENERAL SERVICE SCHEDULE

### SEASONAL PERIODS:

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

### TERMS OF PAYMENT:

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

### MONTHLY BILLING DEMAND:

The customer's monthly demand shall be the highest fifteen (15) minute kilowatt demand.

#### (1) **Off-Peak Option:**

A Full Service customer may request the installation of appropriate metering and timebased recording equipment so that the Monthly Billing Demand may be determined under this optional provision. Such customer shall pay the added cost of the new metering and recording system in excess of the cost of a standard metering system for a similar customer of this rate class. There shall also be an additional Customer Charge of \$90.00 if a detailed demand profile is provided by the Company at the customer's request. Election of this option shall be for a minimum term of one year. A Full Service customer is one that receives all retail electric services from the Company.

Under this option the maximum monthly demand for Full Service customers shall be subject to redetermination as follows:

If the customer's actual maximum monthly demand occurs during off-peak hours, the customer's maximum monthly demand for billing purposes will be the actual maximum monthly demand less three-fourths ( $3/4$ ) of the difference between the actual maximum monthly demand and the highest demand attained during the onpeak hours of the same month. For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

**MEDIUM GENERAL SERVICE SCHEDULE**

**MONTHLY BILLING DEMAND: (Cont'd)**

**(2) Minimum Billing Demands:**

The Minimum Monthly Billing Demand shall be the monthly demand but not less than:

- (a) Fifty percent (50%) of the highest monthly demand experienced within the six months period ending with the month under consideration; or
  - (b) One hundred fifty (150) kW amperes.
- (3) In the event the characteristics of the customer's load are highly fluctuating as in the case of elevators, hoists, cranes and similar equipment, the Monthly Billing Demand in kilowatts shall be sixty percent (60%) of the horsepower nameplate rating of the equipment.
- (4) The Company may, at its option, determine the demand and/or power factor continuously, monthly or at other regular intervals.
- (5) In the event the Company, in order to prevent voltage fluctuations or disturbances on its system, requires the customer to install a separate transformer or transformers to provide service for X-ray machines, welders, and other equipment having similar characteristics, such service shall be metered and billed separately from the customer's other service. The Monthly Billing Demand in kilowatts for such separate service shall be seventy percent (70%) of the kilovolt-ampere nameplate rating of the Company's standard size transformers required.

**MAXIMUM CHARGE:**

For a customer under this schedule, billing under the demand and energy charges of this rate shall not exceed \$.257/kWh. The billing shall include the above charge and the applicable customer charge, all applicable Rider charges and a fuel charge of 1.3717¢ per kwh.

**TRANSFORMER DISCOUNT:**

A discount of 55 cents per month per kW of Monthly Billing Demand will be made to any customer taking service at 4000 volts or higher who furnishes all transformer equipment. Any customer whether served at secondary or primary voltage and receiving a discount as of the effective date of the previous rate for having installed his own transformers will continue receiving this discount.

**PRIMARY SERVICE DISCOUNT:**

A discount on the net bill, excluding all applicable riders, of three and one-half percent (3 1/2%) will be made to any customer receiving primary service and owning the substation, in compliance with the Terms and Conditions section of this rate.

## MEDIUM GENERAL SERVICE SCHEDULE

### REACTIVE BILLING DEMAND:

- (1) For all single-phase installations and for those three-phase installations where the Kilowatt Demand on any Class of Service is less than 65 kW, the reactive billing demand shall be zero.
- (2) If the Kilowatt Demand is 65 kW or higher for three-phase installations, the reactive billing demand shall be determined by multiplying the monthly Kilowatt Demand by the ratio of the monthly lagging reactive kilovoltampere hours to the monthly kilowatt-hours and subtracting 30 from the resultant product.

### PRIMARY PROTECTION CHARGE:

The Company is willing to furnish the primary protection electrical equipment to supply the customer's contract capacity. The primary protection equipment shall be of the Company's standard rating and specifications. The Company will own and maintain the primary protection equipment and will assess the customer a monthly charge computed at 1.60% of the Company's total investment in the equipment.

If the customer elects to have the Company furnish such facilities, the customer shall provide the necessary site acceptable to the Company and furnish, install and maintain the foundations, structures and fences. The customer shall reimburse the Company for costs of installation of such electrical equipment furnished by the Company.

The monthly charges as provided for herein shall commence with the completion of equipment installation by the Company.

In the event that the amount of the Company's investment in such primary protection electrical facilities is increased or decreased due to change in amount of capacity provided or to other causes, the monthly charge computation shall be adjusted to reflect such change in the amount of the Company's investment.

### NON-STANDARD FREQUENCY CHARGE:

The total bill shall be increased by 25% for the remaining customer being served at 25 Hertz.

### DELIVERY VOLTAGE:

(1) **Secondary Service:**

This service covers the supply of three phase, 60 Hertz alternating current, at the Company's standard secondary voltages, and those who, as of the effective date of the previous rate, are served at 4000 volts or higher primary but are not supplying their own substations.

(2) **Primary Service:**

This service covers the supply of three phase, 60 Hertz alternating current at no less than 4000 volts for customers owning the substation. Customer receiving service at 25 Hertz will continue to be serviced as long as such supply is available but no additional 25 Hertz service will be provided. No additional installations at 4160 volts in the Company's present underground district or any extension thereof, will be served at this rate.

All current on this service will be measured at the service voltage of 4000 volts or higher. The Company shall have the option of metering at secondary voltage and adjusting to a primary metering basis by the use of compensating meters or by estimate based on the rated transformer losses.

**MEDIUM GENERAL SERVICE SCHEDULE**

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) The Company will construct the primary voltage line to the customer's property line and will furnish and install the first span of conductors on the customer's property to the customer's structure.  

In the event that more than one span of primary voltage circuit is required on the customer's property, the customer will furnish, install, own and maintain the necessary structures, conductors, and related primary voltage line equipment.

The design and construction of all such facilities shall be subject to the Company's approval.
- (3) Substation facilities necessary for utilization of power as delivered to the customer's premises shall be the responsibility of the customer. Such facilities shall include (but shall not be limited to) protective fences, supporting structures, line voltage bus, transformers, switchgear, protective devices, voltage regulators, etc., required to receive, transform and deliver service to the customer's utilization equipment.  

The design and construction of the substation and the rating and specifications of the electrical equipment shall be subject to approval by the Company.

When, in the judgment of the Company, circuit breakers are required in the customer's substation for assuring the continuity of service to the customer or for the protection of service to other customers, the customer shall furnish, install, own and maintain such circuit breakers with rating as specified by the Company.
- (4) The customer shall provide, without charge to the Company, the necessary space, structure and foundations for the Company's metering equipment and instruments.
- (5) The Company shall have access to the premises at all times. All equipment furnished by the Company shall be and remain the property of the Company.
- (6) The customer shall provide all equipment necessary to regulate his operations so that the Company's primary voltage shall not be subject to excessive variation.
- (7) For the protection of the Company's facilities, the customer may be required to furnish, install, and maintain a load limiting device approved by and under the sole control of the Company.
- (8) Where the customer desires lighting service incidental to his power requirements such service may be purchased under this rate provided the customer furnishes the additional transformers and all other equipment necessary. All such incidental lighting shall be metered through the power meter.
- (9) The customer shall use extraordinary care in so designing his circuits that the loads on the individual phases shall be practically balanced at all times.

**MEDIUM GENERAL SERVICE SCHEDULE**

**TERMS OF SERVICE & CONTRACT:**

Service shall be supplied at the legal rates in effect at the time service is rendered for the following terms with a self-renewal provision for successive periods of one year each until either party shall give at least ninety days written notice to the other of its intention to discontinue at the end of any period.

<b>Contract Capacity</b>	<b>Term of Contract</b>
150 to 1000 kW	4 Years
Over 1000 kW	5 Years

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94



**GENERAL SERVICE ELECTRIC SPACE CONDITIONING RATE "GS-1"**

**APPLICABILITY:**

Available on an optional basis to Full Service customers for installations where (a) electricity is the sole source of energy except for unavoidable, specialized or incidental requirements for space heating and air conditioning requirements, (b) the Customer's wiring permits metering of space heating and air conditioning utilizations separate from other building requirements, and (c) the space heating equipment is permanently installed. This rate is not available for residential applications. A Full Service customer is one that receives all retail electric services from the Company.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges and Generation Charges as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge:**

Customer Charge: \$15.00

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
For each kWh, per kWh	1.834¢	0.415¢

**Transmission Charges:**

Energy Charge:		
For each kWh, per kWh	0.605¢	0.137¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service		
For all kWh, per kWh		0.012¢
Reactive Supply Voltage Control from Generation Sources		
For all kWh, per kWh		0.021¢
Regulation and Frequency Response Service		
For all kWh, per kWh		0.014¢
Operating Reserve – Spinning Reserve Service		
For all kWh, per kWh		0.021¢
Operating Reserve – Supplemental Reserve Service		
For all kWh, per kWh		0.010¢

**GENERAL SERVICE ELECTRIC SPACE CONDITIONING RATE "GS-1"**

<b><u>Generation Transition Charge:</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge: For each kWh, per kWh	5.139¢	1.162¢
<b><u>Regulatory Transition Charges:</u></b>		
Energy Charge: For each kWh, per kWh	7.660¢	1.731¢
<b><u>Generation Charge:</u></b>		
Energy Charge: For each kWh, per kWh	(4.034)¢	0.089¢

**MINIMUM CHARGE:**

The minimum bill shall be the monthly customer charge.

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**SPECIAL RULES:**

1. The Customer shall furnish a separate circuit (or equivalent) to which approved space heating and air conditioning equipment shall be permanently connected and metered. Such circuit shall be so designed and constructed that no other electrical devices shall be connected thereto, except as described in Special Rule 2.
2. Electric water heaters may be connected to the space conditioning circuit. Such water heaters shall be of the automatic storage type with thermostatically controlled heating elements. Water heating may be on a controlled basis at the option of the Company.
3. Air conditioning equipment separate from the space heating equipment shall have an electrical capacity not greater than that of the space heating equipment.
4. Service under this rate shall be provided at or near the location of service for other electrical requirements of the building. The Company reserves the right to provide under this rate at the delivery voltage provided for other electrical requirements.
5. Other Uses:  
All other utilization shall be billed under the applicable schedules of the Company.

**GENERAL SERVICE ELECTRIC SPACE CONDITIONING RATE "GS-1"**

**TERMS AND CONDITIONS:**

Service under this tariff is supplied in accordance with Rules and Regulations of the Company. Any term or condition not covered in this tariff, including contract length, shall be governed by the appropriate section of the tariff applicable to electrical utilization other than electric space conditioning as defined in this tariff and is subject to the jurisdiction of the Public Utilities Commission of Ohio.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

**OPTIONAL ELECTRIC PROCESS HEATING AND ELECTRIC BOILER LOAD  
MANAGEMENT RATE "GS-3"**

**APPLICABILITY:**

Available on an optional basis to for Process Heating or Electric Boiler installations of 20 kW or greater where the Customer's wiring permits separate metering of the Electric Process Heating and/or Electric Boiler and ancillary equipment's load. All other requirements of the Customer will be billed under the rate appropriate for that service. This schedule will not be available to residential applications in single family homes.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge:	\$15.00	
	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
140 kWh per kWd, per kWh	3.683¢	3.283¢
All Additional kWh, per kWh	1.201¢	1.201¢

**Transmission Charges:**

Energy Charge:		
140 kWh per kWd, per kWh	0.651¢	0.580¢
All Additional kWh, per kWh	0.212¢	0.212¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service		
For all kWh, per kWh		0.015¢
Reactive Supply Voltage Control from Generation Sources		
For all kWh, per kWh		0.028¢
Regulation and Frequency Response Service *		
For all kWh, per kWh		0.018¢
Operating Reserve – Spinning Reserve Service *		
For all kWh, per kWh		0.027¢
Operating Reserve – Supplemental Reserve Service *		
For all kWh, per kWh		0.013¢

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**OPTIONAL ELECTRIC PROCESS HEATING AND ELECTRIC BOILER LOAD  
MANAGEMENT RATE "GS-3"**

<b><u>Generation Transition Charge</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
140 kWh per kWd, per kWh	4.270¢	3.806¢
All Additional kWh, per kWh	1.393¢	1.393¢

**Regulatory Transition Charges:**

Energy Charge:		
140 kWh per kWd, per kWh	6.364¢	5.673¢
All Additional kWh, per kWh	2.076¢	2.076¢

**Generation Charge:**

Energy Charge:		
140 kWh per kWd, per kWh	(5.681)¢	(4.925)¢
All Additional kWh, per kWh	(0.996)¢	(0.996)¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier.

Energy Credit:		
140 kWh per kWd, per kWh	5.981¢	5.332¢
All Additional kWh, per kWh	2.007¢	2.007¢

**MINIMUM CHARGE:**

The minimum bill shall be the customer charge.

**SEASONAL PERIODS:**

The Summer period shall be the billing months of June through September and the Winter period shall be the billing months of October through May.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**ORDER OF BILLING:**

All charges and discounts shall be billed in the order in which they are presented in this tariff.

**OPTIONAL ELECTRIC PROCESS HEATING AND ELECTRIC BOILER LOAD  
MANAGEMENT RATE "GS-3"**

**MONTHLY BILLING DEMAND:**

The customer's monthly demand shall be the highest thirty (30) minute kilowatt demand attained at any time during the month.

**(1) Off-Peak Option:**

A Full Service customer may request the installation of appropriate metering and time based recording equipment so that the Monthly Billing Demand may be determined under this optional provision. Such customer shall pay the added cost of the new metering and recording system in excess of the cost of a standard metering system for a similar customer of this rate class. There shall also be an additional Customer Charge of \$90 if a detailed demand profile is provided by the Company at the customer's request. Election of this option shall be for a minimum term of one year. A Full Service customer is one that receives all retail electric services from the Company.

Under this option, the maximum monthly demand for a Full Service customer shall be subject to redetermination as follows:

If the customer's actual maximum monthly demand occurs during off-peak hours, the customer's maximum monthly demand for billing purposes will be the actual maximum monthly demand less three-fourths (3/4) of the difference between the actual maximum monthly demand and the highest demand attained during the on-peak hours of the same month. For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.) Monday through Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

**(2) Minimum Billing Demands:**

The Minimum Monthly Billing Demand shall be the monthly demand, but not less than:

- (a) Fifty percent (50%) of the highest monthly demand experienced within the six months period ending with the month under consideration; or
- (b) Twenty (20) kilowatts.

**TRANSFORMER DISCOUNT:**

A credit on the bill of 55 cents per month per kilowatt of Monthly Billing Demand will be made to any customer taking service at more than 480 volts nominal who furnishes all transformer equipment.

**OPTIONAL ELECTRIC PROCESS HEATING AND ELECTRIC BOILER LOAD  
MANAGEMENT RATE "GS-3"**

**PRIMARY SERVICE DISCOUNT:**

A discount on the net bill, excluding all applicable riders, of three and one-half percent (3-1/2%) will be made to any customer receiving primary service and owning the substation, in compliance with the Terms and Conditions section of this rate.

**PRIMARY PROTECTION CHARGE:**

The Company is willing to furnish the primary protection electrical equipment to supply the customer's contract capacity. The primary protection equipment shall be of the Company's standard rating and specifications. The Company will own and maintain the primary protection equipment and will assess the customer a monthly charge computed at 1.60% of the Company's total investment in the equipment.

If the customer elects to have the Company furnish such facilities, the customer shall provide the necessary site acceptable to the Company and furnish, install and maintain the foundations, structures and fences. The customer shall reimburse the Company for costs of installation of such electrical equipment furnished by the Company.

The monthly charges as provided for herein shall commence with the completion of equipment installation by the Company.

In the event that the amount of the Company's investment in such primary protection electrical facilities is increased or decreased due to change in amount of capacity provided or to other causes, the monthly charge computation shall be adjusted to reflect such change in the amount of the Company's investment.

**DELIVERY VOLTAGE:**

(1) **Secondary Service:**

This service covers the supply of a three phase 60 Hertz alternating current, at the Company's standard secondary voltages.

(2) **Primary Service:**

This service covers the supply of a three phase, 60 Hertz alternating current at more than 480 volts nominal.

**OPTIONAL ELECTRIC PROCESS HEATING AND ELECTRIC BOILER LOAD  
MANAGEMENT RATE "GS-3"**

**SPECIAL RULES:**

- (1) The Customer shall furnish a separate circuit (or equivalent) to which the approved Process Heating and/or Electric Boiler and ancillary equipment shall be permanently connected. Such circuit shall be a design and construction that no other electrical devices can be connected thereto.
- (2) All electrical requirements will be supplied at a single point of delivery.
- (3) Ancillary equipment load will not exceed twenty percent (20%) of the total connected KWC load of the equipment served under this schedule.
- (4) This schedule is applicable for Customers with existing idle facilities (unused for the past six months or longer) or for Customers desiring to add new facilities (purchased or otherwise acquired within the past twelve months or less).
- (5) To receive service under this rate, the Customer must execute a written application agreeing that service hereunder (1) shall be for five years, and for successive periods of two years each, unless written notice of termination is given one year before expiration of the five-year period, or any two-year renewal period; and (2) such service shall be supplied solely by the Company during the initial and renewal periods.
- (6) When a Customer applies for distribution or transmission voltage service and it is known the distribution or transmission voltage is subject to future voltage conversion, the Company shall inform the Customer of the ultimate voltage. All equipment must be capable of operating at either voltage. This may require the use of multiple voltage rated equipment for future conversion.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) The Company shall have access to the premises at all times. All equipment furnished by the Company shall be and remain the property of the Company.
- (3) The Customer shall provide all equipment necessary to regulate his operations so that the Company's primary voltage shall not be subject to excessive variation.
- (4) The Customer shall use extraordinary care in so designing his circuits that the loads on the individual phases shall be practically balanced at all times.
- (5) Service under the rate shall be provided at or near the location of service for other electric requirements of the building. The Company reserves the right to provide this rate at the delivery voltage provided for other electrical requirements.
- (6) Other Uses:  
All other utilization shall be billed under the applicable rate of the Company.
- (7) Service under this tariff is supplied in accordance with Rules and Regulations of the Company. Any term or condition not covered in this Tariff shall be governed by the appropriate section of the tariff applicable to electric utilization other than process heating load and electric boiler load as defined in this tariff and is subject to the jurisdiction of the Public Utilities Commission of Ohio.



---

**OPTIONAL ELECTRIC PROCESS HEATING AND ELECTRIC BOILER LOAD**  
**MANAGEMENT RATE "GS-3"**

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

**GENERAL SERVICE HEATING RATE "GS-17"**

**APPLICABILITY:**

Available as an optional rate to any commercial customer on the lines of the Company applying for permanent service for commercial uses including lighting, space heating, uncontrolled water heating and incidental uses.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**WITH DEMAND METER INSTALLED:**

**Distribution Charge:**

Customer Charge:

Single-Phase Service	\$9.00
Three-Phase Service	\$15.00

Demand Charge:

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
First 50 kWd, per kW	\$4.014	\$3.631
All Additional kWd, per kW	\$3.698	\$3.315

**Transmission Charges:**

Demand Charge:

First 50 kWd, per kW	\$0.975	\$0.882
All Additional kWd, per kW	\$0.899	\$0.805

**GENERAL SERVICE HEATING RATE "GS-17"**

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service	
For all kWd, per kW	6.00¢
Reactive Supply Voltage Control from Generation Sources	
For all kWd, per kW	10.90¢
Regulation and Frequency Response Service*	
For all kWd, per kW	7.00¢
Operating Reserve – Spinning Reserve Service*	
For all kWd, per kW	10.50¢
Operating Reserve – Supplemental Reserve Service*	
For all kWd, per kW	5.30¢

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**Generation Transition Charge**

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 150 kWh per kWd, per kWh	3.659¢	2.188¢
Next 150 kWh per kWd, per kWh	2.232¢	1.270¢
All Additional kWh, per kWh	2.010¢	1.270¢

**Regulatory Transition Charges:**

Energy Charge:		
First 150 kWh per kWd, per kWh	5.454¢	3.261¢
Next 150 kWh per kWd, per kWh	3.327¢	1.892¢
All Additional kWh, per kWh	2.995¢	1.892¢

**Generation Charge:**

Demand Charge:		
First 50 kWd, per kW	\$2.364	\$2.100
All Additional kWd, per kW	\$2.146	\$1.883
Energy Charge:		
First 150 kWh per kWd, per kWh	4.769¢	3.403¢
Next 150 kWh per kWd, per kWh	3.443¢	2.550¢
All Additional kWh, per kWh	3.237¢	2.550¢

**GENERAL SERVICE HEATING RATE "GS-17"**

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Demand Credit:		
First 50 kWd, per kW	\$3.801	\$3.438
All Additional kWd, per kW	\$3.502	\$3.139
Energy Credit:		
First 150 kWh per kWd, per kWh	6.135¢	4.276¢
Next 150 kWh per kWd, per kWh	4.276¢	2.668¢
All Additional kWh, per kWh	3.992¢	2.668¢

**WITHOUT DEMAND METER INSTALLED:**

**Distribution Charge:**

Customer Charge:	
Single-Phase Service	\$9.00
Three-Phase Service	\$15.00

	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Energy Charge:		
First 1,000 kWh, per kWh	5.806¢	4.019¢
For all additional kWh, per kWh	5.086¢	3.434¢

**Transmission Charges:**

Energy Charge:		
First 1,000 kWh, per kWh	1.411¢	0.977¢
For all additional kWh, per kWh	1.236¢	0.834¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service	
For all kWh, per kWh	0.018¢
Reactive Supply Voltage Control from Generation Sources	
For all kWh, per kWh	0.033¢
Regulation and Frequency Response Service*	
For all kWh, per kWh	0.021¢
Operating Reserve – Spinning Reserve Service*	
For all kWh, per kWh	0.032¢
Operating Reserve – Supplemental Reserve Service*	
For all kWh, per kWh	0.016¢

**GENERAL SERVICE HEATING RATE "GS-17"**

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

<b><u>Generation Transition Charge</u></b>	<b><u>Summer</u></b>	<b><u>Winter</u></b>
Demand Charge:		
For all kWh, per kWh	1.074¢	0.822¢
Energy Charge:		
First 1,000 kWh, per kWh	3.279¢	2.270¢
For all additional kWh, per kWh	2.872¢	1.939¢

**Regulatory Transition Charges:**

Demand Charge:		
For all kWh, per kWh	1.600¢	1.225¢
Energy Charge:		
First 1,000 kWh, per kWh	4.887¢	3.383¢
For all additional kWh, per kWh	4.281¢	2.891¢

**Generation Charge:**

Demand Charge:		
For all kWh, per kWh	0.876¢	0.643¢
Energy Charge:		
First 1,000 kWh, per kWh	(2.801)¢	(1.517)¢
For all additional kWh, per kWh	(2.283)¢	(1.096)¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier Demand Credit:

For all kWh, per kWh	2.318¢	1.868¢
Energy Credit:		
First 1,000 kWh, per kWh	5.498¢	4.276¢
For all additional kWh, per kWh	4.816¢	3.867¢

**SEASONAL PERIODS:**

The Summer period shall be the billing months of May through September and the Winter period shall be the billing months of October through April.

**MINIMUM CHARGE:**

The minimum charge per month shall be the customer charge.

**GENERAL SERVICE HEATING RATE "GS-17"**

**MAXIMUM CHARGE:**

For those customers with demand meters, billing under the demand and energy charges of this rate, shall not exceed \$.257/KWH. The billing shall include the above charge and the applicable customer charge, all applicable Rider charges and a fuel charge of 1.3717¢ per kwh. and the transformer discount.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**TRANSFORMER DISCOUNT:**

A discount on the Distribution Demand Charge of fifty-five cents (\$.55) per month per kilowatt of Monthly Billing Demand will be made to any customer meeting the primary service qualifications as stated in Terms and Conditions (Rule number 7).

**POWER FACTOR ADJUSTMENT:**

The above rate is based on the maintenance by the customer of a power factor of not less than eighty-five percent (85%). For any month when the lagging power factor is less than eighty-five percent (85%), the Company shall make an additional charge of one percent (1%) of the total bill for each five percent (5%) difference between the lagging power factor and eighty-five percent (85%). The Company may, at its option, test the power factor continuously, monthly or at intervals.

**DETERMINATION OF MONTHLY BILLING DEMAND:**

The Company will install a demand meter to determine the maximum integrated fifteen minute demand attained at any time during the month only when the customer's monthly usage has exceeded 3,000 kWh for four consecutive months. The Monthly Demand thus established shall be taken as the Monthly Billing Demand for that month, provided that said demand shall not be less than 5 kilowatts. Once a demand meter has been installed, it shall continue to be utilized unless the maximum monthly demand has been below 10 kilowatts and the monthly energy consumption has been less than 3,000 kWh for twelve consecutive months.

Service under this rate is available to public schools, parochial schools, or churches which qualify. The Monthly Demand Charge and demand based Shopping Credits for schools shall be reduced by 50%. The Monthly Demand Charge and demand based Shopping Credits shall not apply to churches.

The Company may, at its option, test or meter the power factor of the customer's load. A lagging power factor of less than eight tenths (0.8) shall be adjusted by multiplying the demand by the ratio that 0.8 bears to the actual power factor of the load. No adjustment will be made where the power factor is found to be greater than 0.8 lagging, or for a leading power factor.

Monthly Billing Demands shall be computed to the closest kilowatt.

**GENERAL SERVICE HEATING RATE "GS-17"**

**OFF-PEAK OPTION:**

A Full Service customer may request the installation of appropriate metering and time based recording equipment so that the Monthly Billing Demand may be determined under this optional provision. Such customer shall pay the added cost of the new metering and recording system in excess of the cost of a standard metering system for a similar customer of this rate class. There shall also be an additional Customer Charge of \$90.00 if a detailed demand profile is provided by the Company at the customer's request. Election of this option shall be for a minimum term of one year. A Full Service customer is one that receives all retail electric services, from the Company

Under this option the maximum monthly demand of a Full Service Customer shall be subject to redetermination as follows:

If the customer's actual maximum monthly demand occurs during off-peak hours, the customer's maximum monthly demand for billing purposes will be the actual maximum monthly demand less three-fourths (3/4) of the difference between the actual maximum monthly demand and the highest demand attained during the on-peak hours of the same month. For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) In order to qualify for this rate the customer must meet the following conditions:
  - (a) Electricity shall be the sole source of energy for space heating, water heating, air conditioning, lighting, and power applications.
  - (b) At least 50% of the connected load shall be located inside of buildings that are electrically heated.
  - (c) Size and electrical characteristics of water heating equipment to be used must be approved by the Company.
- (3) Service under this rate shall be alternating current, 60 cycles, single and three phase at the Company's standard voltages. Direct current or 25 cycle service shall not be supplied at this rate.
- (4) Electricity for incidental power applications may be supplied under this rate.
- (5) For connected loads of less than 300 kilowatts, the term of contract shall be for one year from date of application and thereafter until terminated by ten (10) days written notice from the customer to the Company, except as otherwise provided in the Company's rules and regulations.
- (6) For connected loads of more than 300 kilowatts, the term of the contract shall be for three years from date of application, and thereafter until terminated by sixty (60) days written notice from the customer to the Company, except as otherwise provided in the Company's rules and regulations.
- (7) The Company reserves the right to refuse to install transformers, substation equipment, etc., for installations of over 300 kilowatts in which case the Company will supply primary service and the customer will install his own transformers, substation equipment, etc. When a customer supplies his own transformers, substation equipment, etc., and is served at 4160 volts or higher, he shall be entitled to the Transformer Discount.

**GENERAL SERVICE HEATING RATE "GS-17"**

**TERMS AND CONDITIONS (Cont'd)**

- (8) When service is supplied at primary voltage the Company may, at its option, meter at the primary voltage; or, at secondary voltage with compensation to a primary basis.
- (9) The customer shall use extraordinary care in so designing his circuits that the load on the individual phases shall be practically balanced at all times.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94



**CONTROLLED WATER HEATING RATE "GS-19"**

**APPLICABILITY:**

Available to any Full Service customer on the lines of the Company, receiving service at secondary voltages, applying for permanent electric service for water heating, in electric water heaters or as a supplemental source for solar water heating systems. A Full Service customer is one that receives all retail electric services from the Company.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges and Generation Charges as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge:**

Customer Charge:	\$2.05
Energy Charge:	
Per kWh	2.573¢

**Transmission Charges:**

Energy Charge:	
Per kWh	0.859¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service	
For all kWh, per kWh	0.038¢
Reactive Supply Voltage Control from Generation Sources	
For all kWh, per kWh	0.069¢
Regulation and Frequency Response Service	
For all kWh, per kWh	0.044¢
Operating Reserve – Spinning Reserve Service	
For all kWh, per kWh	0.066¢
Operating Reserve – Supplemental Reserve Service	
For all kWh, per kWh	0.033¢

**Generation Transition Charge**

Energy Charge:	
Per kWh	2.332¢

**Regulatory Transition Charges:**

Energy Charge:	
Per kWh	3.476¢

**CONTROLLED WATER HEATING RATE "GS-19"**

**Generation Charge:**

Energy Charge:  
Per kWh (4.168)¢

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers, except this provision is not applicable to unpaid account balances of customers enrolled on income payment plans pursuant to Section 4901:1-18-04(B), Ohio Administrative Code. For residential customers, the late payment service charge will be assessed only when there is more than one late payment in a twelve-month period.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) The service supplying electric energy for water heating under this rate shall be controlled by the Company and the hours during which service shall be supplied may be changed from time to time, consistent with changes in the Company's load conditions. Service shall be supplied hereunder for a period of not less than twelve (12) hours in each twenty-four (24) hours.
- (3) The Company reserves the right to refuse service to water heating equipment which it considers unable to render satisfactory service when operated in accordance with the requirements of this schedule. The Company does not warrant satisfactory service, operation or installation of non-Company supplied equipment.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

**CONTROLLED WATER HEATING RATE "GS-19a"**

**APPLICABILITY:**

Available to any Full Service customer on the lines of the Company, receiving service at secondary voltages, applying for permanent electric service for water heating, in electric water heaters or as a supplemental source for solar water heating systems participating in the Percentage of Income Payment Plan Program. A Full Service customer is one that receives all retail electric services from the Company.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges and Generation Charges as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge:**

Customer Charge:	\$2.05
Energy Charge:	
Per kWh	2.488¢

**Transmission Charges:**

Energy Charge:	
Per kWh	0.857¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service	
For all kWh, per kWh	0.039¢
Reactive Supply Voltage Control from Generation Sources	
For all kWh, per kWh	0.069¢
Regulation and Frequency Response Service	
For all kWh, per kWh	0.044¢
Operating Reserve – Spinning Reserve Service	
For all kWh, per kWh	0.069¢
Operating Reserve – Supplemental Reserve Service	
For all kWh, per kWh	0.034¢

**CONTROLLED WATER HEATING RATE "GS-19a"**

**Generation Transition Charge**

Energy Charge:  
Per kWh 2.336¢

**Regulatory Transition Charges:**

Energy Charge:  
Per kWh 3.477¢

**Generation Charge:**

Energy Charge:  
Per kWh (4.351)¢

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) The service supplying electric energy for water heating under this rate shall be controlled by the Company and the hours during which service shall be supplied may be changed from time to time, consistent with changes in the Company's load conditions. Service shall be supplied hereunder for a period of not less than twelve (12) hours in each twenty-four (24) hours.
- (3) The Company reserves the right to refuse service to water heating equipment which it considers unable to render satisfactory service when operated in accordance with the requirements of this schedule. The Company does not warrant satisfactory service, operation or installation of non-Company supplied equipment.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93

**PARTIAL SERVICE RATE "GS-15"**

**APPLICABILITY:**

Applicable to any Customer with non-synchronous or synchronous, which does not qualify for the Net Metering Rider, electric generation equipment having been established as a Qualifying Facility, or who requires partial service from the Company as back-up, or as a partial electric requirement to another electric source.

**RATE:**

**Capacity Reservation Charge:**

Per kVA of Capacity Reservation  
Per billing Period  
Per Voltage Classification

	<u>Transmission</u> 138 kV and Above	<u>Subtransmission</u> 23 - 34.5 - 69KV	<u>Distribution</u> 4.16 - 12.47 kV
<u>Transmission &amp; Distribution Charge:</u> All kW, per kW	\$1.50	\$2.24	\$3.04
<u>Generation Charge:</u> All kW, per kW	\$1.60	\$1.76	\$1.81

**Demand Charge:**

Whenever the Customer utilizes Supplemental, Back-up or Maintenance power, the demand will be charged as indicated below:

a. Supplemental Demand

The Demand Charge found in the applicable Standard Tariff shall be used to calculate the monthly billing charge for Supplemental power.

b. Back-Up Demand

The Customer shall have the option of either Method A or Method B, below, as the method under which Back-Up Demand shall be calculated. Sixty days prior to the initial one-year contract period, and at least 60 days prior to each succeeding annual period, the Customer shall specify the method chosen. That method shall apply for the full contract period.

**PARTIAL SERVICE RATE "GS-15"**

Method A:

The Demand Charge found in the appropriate, applicable Standard Tariff shall be used to calculate the billing period charge for Back-up Demand.

The Capacity Reservation charge for the billing period shall be reduced to the extent that Back-Up Demand, under Method A, is used during the billing period.

Method B:

The billing period Demand Charge for Back-Up Power shall be determined by use of daily demand, and will use the appropriate following rate based on service voltage level classification:

<u>Transmission</u>	<u>Subtransmission</u>	<u>Distribution</u>
(138 kV and Above)	(23 - 34.5 - 69 kV)	(4.16 - 12.47 kV)
<u>\$ 0.73</u>	<u>\$ 0.78</u>	<u>\$ 0.83</u>
per kVA per day	per kVA per day	per kVA per day

The above charges consist of ancillary service charges from the applicable Rate Schedule and generation.

Method B is applicable no more than fifteen days a year. If in any billing period the use of Backup Power exceeds fifteen days, the Customer will be billed under Method A for the billing period. The fifteen days in that billing period would not count toward the annual limitation.

Determination of the daily Demand Charge shall be the maximum daily Back-Up Demand times the appropriate above rate. The billing period charge for Back-Up Demand shall be the sum of the billing period's daily Demand Charges.

Off-Peak Provision for Method B

If the customer's daily peak demand occurs during off-peak hours, the Billing Demand will be the highest off-peak demand less three-fourths (3/4) of the difference between the highest off-peak demand and the highest onpeak demand for that day.

For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

c. Maintenance Demand

Fifty percent of the demand charge found in the appropriate, applicable Standard Tariff shall be used and prorated based on the number of days that Maintenance Power was used during the billing period.

**PARTIAL SERVICE RATE "GS-15"**

**Energy Charge:**

The charge for energy provided by the Company for Supplemental, Back-Up (Method A), and Maintenance Power shall be that found in the appropriate, applicable Standard Tariff.

The energy charge for Back-Up Power (Method B) shall be 0.49¢ per kWh, which is transition cost recovery split between RTC and GTC in proportion to RTC and GTC charges in the applicable Rate Schedule.

**Emergency Power:**

Emergency Power Service can only be obtained from the Company. The following charges apply under this schedule:

Demand Charge per kVA per billing period	\$ 26.60
Energy Charge per kWh per billing period	\$ 0.146

The Demand Charge will consist of transmission, distribution and generation charges in the same proportion as the Capacity Reservation Charge. The Energy Charge will consist of the RTC and GTC from the appropriate applicable Standard Tariff and generation charges.

**Customer Charge:**

The Customer Charge shall be \$95.50 per month.

**BACK-UP POWER MAXIMUM CHARGE:**

The maximum billing period charge for Back-Up Power shall be those charges for service which would be billed under the appropriate applicable Standard Tariff.

If Back-Up Power is used during the billing period, the billing period charge for Capacity Reservation shall be reduced, to the extent that Back-Up Demand is used.

**MINIMUM CHARGE:**

The monthly minimum charge shall be the sum of the Capacity Reservation charge multiplied by the Capacity Reservation, plus the Customer Charge, plus the minimum charges of any applicable Standard Tariffs.

**RIDERS:**

Except as otherwise noted, the Rates and charges specified above shall be modified in accordance with the applicable Standard Tariff Riders, except for the Net Energy Metering Rider, in effect plus a fuel charge of 1.3371¢ per kWh. The fuel charge is transition cost recovery split between RTC and GTC in proportion to RTC and GTC charges in the applicable Rate Schedule.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Universal Service Rider	Sheet No. 11
Temporary Rider for EEF	Sheet No. 12
State and Local Tax Rider	Sheet No. 13

**PARTIAL SERVICE RATE "GS-15"**

**DETERMINATION OF PARTIAL SERVICE:**

Partial Service Capacity shall be established by the Customer and the Company prior to receiving service under this schedule.

The Customer may request a time dependent Partial Service Capacity level, subject to Company acceptance. The Customer must submit a supply profile for each capacity source sixty (60) days prior to the contract period. The Company has thirty days within which to make any reasonable modifications.

In the event the Customer's alternate supply exceeds the presubmitted supply profile, the Partial Service Capacity will be reestablished at the new supply level for that and comparable time periods, and shall be in effect for the remainder of the contract period, unless otherwise altered hereunder.

In the event the Customer installs additional generating equipment, or the metered Back-Up, Maintenance or Emergency demand in any billing period exceeds the Partial Service Capacity, the Partial Service Capacity shall be reestablished at the new level and remain in force for the remainder of the contract period, unless otherwise altered hereunder.

**DETERMINATION OF CAPACITY RESERVATION:**

The Capacity Reservation demand shall be specified sixty (60) days in advance of the initial contract period by the Customer and shall be equal to the amount of Customer owned generation or capacity from another electric source for which the Customer desires Back-Up capacity.

In the event the customer requires Emergency power to be supplied by the Company, the Capacity Reservation deemed contracted for thereafter shall be increased by an amount equal to the net demonstrated usage determined by the amount of Emergency power supplied.

The Capacity Reservation shall be in force for the remainder of the contract period, unless otherwise altered hereunder.

**CONTRACT PROVISIONS:**

The contract period is defined as a one year period and service under this schedule shall be a one-year term and self-renewing for annual periods thereafter. Unless otherwise authorized by the Company, the Customer may cancel service being provided hereunder upon written notice to the Company, received at least sixty (60) days prior to the end of any contract period.

The Capacity Reservation or Partial Service Capacity may be adjusted during any annual term, upon written request by the Customer, subject to the approval of the Company.



## **PARTIAL SERVICE RATE "GS-15"**

### **MAINTENANCE POWER SCHEDULE:**

Maintenance Power shall be supplied under the applicable Standard Tariff, as determined by the Company using the requested level of maintenance demand, and such power shall be provided only on a prescheduled basis. At no time shall the requested Maintenance demand be more than the Partial Service Capacity.

Maintenance Power will be available for up to four weeks per calendar year per generating unit. Of these twenty-eight days, the Customer will be permitted up to two consecutive days of Maintenance power, only during off-peak periods, during each of the summer billing periods. A maintenance day shall constitute any 24 consecutive hour period in which Maintenance power is scheduled. Sixty days (60) prior to the initial one-year contract period, and at least sixty (60) days prior to each succeeding annual period, a maintenance schedule shall be presented to the Company by the Customer. Customers with multiple generating units shall present a maintenance schedule for each unit, and shall specify the level of maintenance demand for each unit. The Company reserves the right to modify the maintenance schedule. Any modifications by the Company must be made with reason within 30 days after the annual maintenance schedule is presented by the Customer.

The Customer may request an adjustment in a scheduled maintenance outage up to three weeks prior to previously scheduled dates. Adjusted dates must be within one week of the previously scheduled dates and shall result in a scheduled outage of the same seasonal and daily characteristics, time and duration as the previously scheduled maintenance outage. Company approval, or disapproval with reason, for such adjustment shall be given within one week of such request.

The Company may cancel a scheduled maintenance outage with reason at any time with seven (7) days notice prior to the beginning of a scheduled maintenance outage if conditions on the Company's system warrant such a cancellation. Such notification of cancellation shall state the reasons for such cancellation. Summer Maintenance power can be canceled by the Company within two days of such dates with reason. Scheduled maintenance outage(s) canceled by the Company shall be rescheduled subject to the mutual agreement of the Customer and the Company.

### **TERMS AND CONDITIONS:**

- (1) All terms and conditions, and any other provision not specifically mentioned in this tariff, shall conform to those of the applicable Standard Tariff.
- (2) A Time-of-Day demand meter and a watt-hour meter, equipped with a detent to prevent reverse rotation, shall be used to measure the energy being supplied by the Company to the Customer. A Time-of-Day demand meter and a watt-hour meter, equipped with a detent to prevent reverse rotation, shall be installed to measure the energy provided to the Customer from sources other than the Company. The Customer's monthly electric bill shall be calculated by using measurements obtained from these meters.
- (3) Supplemental power will be calculated by measuring the total capacity and energy that is provided to the Customer by the Company less any Back-up, Emergency or Maintenance power provided to the Customer by the Company. Supplemental power shall be supplied to any Customer under the Company's appropriate, applicable Standard Tariff in effect at the time of service.

The level of firm power requested by the Customer shall determine the appropriate, applicable Standard Tariff.

**PARTIAL SERVICE RATE "GS-15"**

**TERMS AND CONDITIONS (continued):**

- (4) The Customer shall be provided Back-up power during periods of unscheduled outages, but such power shall not exceed the level of the Customer's Partial Service Capacity. Should recorded demand exceed the level of the Capacity Reservation, the additional demand shall be charged at the Emergency Services Demand and Energy Charge. Back-up Power shall be supplied under the Company's appropriate, applicable Standard Tariff in effect at the time of providing service. The level of Capacity Reservation Power requested by the Customer shall determine the appropriate, applicable Standard Tariff. At no time shall the level of Back-up power be used to establish demand levels for Supplemental power.
- (5) Maintenance power shall be supplied to a Partial Service Customer under the appropriate, applicable Standard Tariff in effect at the time of providing service, as determined by the Customer's requested level of Maintenance Demand, and shall be provided on a scheduled basis. At no time will the level of Maintenance Power be used to establish demand levels for Supplemental Power.
- (6) Emergency Power shall be supplied, subject to availability and when there will be no detriment to system service reliability, to a Customer who does not contract with the Company for Capacity Reservation, or for any level of demand that exceeds such Capacity Reservation. At no time will the level of Emergency Power be used to establish levels for Supplemental Power.

**GENERAL RULES:**

- (1) All Customers shall comply with applicable national, state and local codes, standards and regulations.
- (2) All Customers shall comply with the provisions of this schedule, as well as the Company's General Rules and Regulations. The Company reserves the right to refuse or to terminate service under this schedule upon finding that the alternative energy supply will not be installed or is not operating in compliance with this schedule.
- (3) The Customer agrees to be legally responsible for any damage to the Company's facilities resulting from the alternate electrical source or operation of the Customer's generating equipment. The Customer also agrees to indemnify the Company and save it harmless from all damages, costs, claims and expenses to the Company, its employees, successors and assigns, or to any third party arising out of, or related to, the operation of the Customer's generator and equipment associated with the connection of the said equipment to the Company's system, except where such damages, costs, claims and expenses have been occasioned by the sole negligence of the Company, its agents or employees. The Company shall require proof of adequate insurance or bond.

**PARTIAL SERVICE RATE "GS-15"**

**SPECIAL RULES:**

- (1) The Customer's generating equipment must produce a 60 hertz sine wave output, with distortion at a level which is within applicable industry standards, at a voltage compatible with the Company's service voltage at the customer's service location.
- (2) The Customer shall provide the proper electrical devices to disconnect, without intentional time delay, its generating equipment from the Company's system in the event of a supply outage or a supply circuit failure. A manual disconnection device, capable of being padlocked by the Company, must be provided. The Company shall have access to such equipment at all times and be the sole judge of whether any safety or operating hazards exist.
- (3) The Customer will provide the Company with manufacturer's literature describing the electrical characteristics and operation of the proposed generator and associated equipment. The Company shall have the right to refuse connection of any device which it finds incompatible with its electric system.
- (4) The Customer shall pay all Interconnection costs.
- (5) The Customer shall perform and bear all costs associated with maintenance work required for interconnection equipment.
- (6) Sixty (60) days prior to making any changes or modifications to its equipment which materially impacts operation, the Customer shall notify the Company in writing.
- (7) At the time that a Customer permanently ceases operation, all equipment which was necessary to permit interconnected operations, shall be promptly removed. All costs incurred with the removal shall be borne by the Customer.
- (8) Recording meters as specified by the Company shall be installed on the Customer's generating unit(s) at the Customer's expense. All metering equipment shall remain the property of the Company.
- (9) The Company may enter into Individualized agreements with Customers which may deviate from this schedule. Such agreements shall address those significant characteristics of service and cost which would influence a need for an individualized agreement such as, but not limited to the following:
  - a. The ability of the partial service customer to accept interruptible service under back-up conditions;
  - b. Whether the arrangement allows for long term utility planning of least cost capacity availability;
  - c. Whether there is sufficient local facility capacity to serve the load;
  - d. Whether there is sufficient substation capacity to serve the load;
  - e. Whether there is sufficient transmission and generating capacity to serve the load.
- (10) The Company will allow up to a four (4) hour grace period for the Customer to bring its alternative supply back on line in the event of a Company-caused outage of the alternative supply. Upon written notice and proof within ten (10) days by the Customer that a Company service interruption caused such outage, the Company will supply partial service to the Customer through the Supplemental service provisions. This service will continue until restoration of the alternative supply is established but not for longer than four hours after reestablishment of Company service.

**PARTIAL SERVICE RATE "GS-15"**

**DEFINITIONS:**

"Qualifying Facility" means a co-generation facility or a small power production facility which is a Qualifying Facility under Subpart 5 of FERC 18 CFR Part 292.

"Sale" means the sale of electric energy or capacity or both by the Company to a Customer under the Partial Service Tariff.

"Interconnection costs" means the reasonable costs incurred by the Company directly related to the installation and maintenance of the physical facilities necessary to permit interconnected operations with a Customer under the Partial Service Tariff to the extent such costs are in excess of the corresponding costs which the Company would have incurred if it had not engaged in interconnection operations, but instead generated an equivalent amount of electric energy itself or purchased an equivalent amount of electric energy or capacity from other sources. Interconnection costs include, but are not limited to, the cost of connection, switching, metering, transmission, distribution, safety provisions and administrative costs. Interconnection costs do not include any costs included in the calculation of avoided costs.

"Supplemental power" means electric energy or capacity or both supplied by the Company regularly used by a Partial Service Customer, in addition to that which the Customer acquires from alternate sources or generates itself.

"Back-up power" means electric energy or capacity supplied by the Company, to replace energy ordinarily obtained by the Customer from other sources or produced by the Customer's generating facility, during an unscheduled outage.

"Maintenance power" means electric energy or capacity supplied by the Company during scheduled outages of the Customer's generating equipment or alternate electric supply.

"Emergency power" means Company supplied electric energy or capacity to a Customer served under the Partial Service Tariff who does not purchase Capacity Reservation Power in an amount sufficient to meet its needs during the period of an unscheduled outage.

"Excitation power" means Company supplied electric energy or capacity required by the Customer served under the Partial Service Tariff to energize generation equipment, transformers and other Customer equipment.

"Capacity Reservation" means the level of demand the Customer contracts for on a monthly basis from the Company and shall be that amount up to or equal to the amount of Customer-owned generation or capacity from another electric source.

"Partial Service Capacity" means that capacity expected to be achieved by the alternate source of electrical supply as determined by, but not limited to, such indicators as nameplate rating of equipment, alternate power supply agreements, transformer or line limitations, or net demonstrated capability.

"Billing Period" or "billing period" means the monthly period over which the Company normally applies its rates and tariffs.

"Full Service Tariff" means the firm power rate tariffs contained in the Company's Schedule of Rates, Rules and Regulations for Electric Service, P.U.C.O. No. 8.

**OUTDOOR NIGHT LIGHTING RATE "GS-13"**

**APPLICABILITY:**

Available to any customer on the lines of the Company applying for outdoor night lighting service only, for race tracks and athletic fields of all kinds who shall contract for a definite quantity of electrical capacity in kilowatts, subject to the specific conditions set forth herein.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Customer Charge: \$10.00

Energy Charge:  
For all kWh, per kWh

5.659¢

**Generation Charge:**

Energy Charge:  
For all kWh, per kWh

1.213¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier.

Energy Credit:  
For all kWh, per kWh

1.213¢

**MINIMUM:**

The minimum bill shall be the monthly customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**ACCOUNT ACTIVATION:**

The initial bill for a new customer or a customer at a new location shall include an account activation charge of \$8.00.

**OUTDOOR NIGHT LIGHTING RATE "GS-13"**

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Service shall be supplied only where sufficient capacity is available without added Company expense and only between the hours of 6 P.M. to 6 A.M. except that the time restriction shall be waived on Saturdays, Sundays, and Holidays.
- (3) The Company shall provide service at primary voltages (approximately 4000 volts or higher) except in small installations where the Company may elect to provide service at secondary voltages.
- (4) When in the opinion of the Company it is necessary to provide three phase service, the customer shall use extraordinary care in so designing his circuits that the loads on the individual phases shall be practically balanced at all times. No monthly minimum bill for such three phase service shall be less than \$15.00.
- (5) The Company shall have the right to meter all service used at either primary or secondary voltages, or to estimate the kilowatt hours used by metering a part of the service and multiplying the metered record of that part by a factor determined by dividing the total connected load by the connected load of the part that has been metered. In the event that total or partial metering is at secondary voltage five percent (5%) shall be added to the kilowatt-hours to compensate for additional transformer and line losses.
- (6) The customer shall own, operate, and maintain all pole lines and all other equipment on private right-of-way, together with all transformers, oil circuit breakers, and all lighting and incidental equipment necessary to render the service. The customer shall maintain a power factor of not less than ninety percent (90%).
- (7) The term of contract shall be for a period of not less than two consecutive months (60 days) from date of application and thereafter until terminated by the customer, except as otherwise provided in the Company's rules and regulations.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

---

**OUTDOOR SECURITY LIGHTING RATE "GS-18"**

**APPLICABILITY:**

Available to any customer on the lines of the Company receiving service for general uses at secondary voltages applying for all-night outdoor lighting service on private property.

Complete lighting service will be furnished by the Company using vapor lighting units connected to available supply circuits. The Company will supply the electrical energy for operation of the light and will furnish, install and maintain the lighting fixture, bracket, control unit, lamps, wiring and all other necessary materials and equipment.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**NET RATE (Per Month):**

**Distribution Charges**  
**Monthly Base Rates**

- |     |   |                                   |
|-----|---|-----------------------------------|
| (1) | Service consisting of a standard 175 watt mercury lighting unit on a standard wood pole with overhead wiring:<br><br>For installations on existing pole with secondary voltage supply available, per kWh, per light:<br><br>Prior to January 1, 1974<br>After January 1, 1974 | <br><br><br><br>8.499¢<br>11.025¢ |
| (2) | Service consisting of a 400 watt mercury or a 200 watt sodium floodlighting unit on a standard wood pole with overhead wiring:<br><br>For installations on existing pole with secondary voltage supply available, per kWh, , per light:                                       | <br><br><br>13.198¢               |
| (3) | Service consisting of a 400 watt sodium floodlighting unit on a standard wood pole with overhead wiring:<br><br>For installations on existing pole with secondary voltage supply available, per kWh, per light:   | <br><br><br>11.597¢               |

**OUTDOOR SECURITY LIGHTING RATE "GS-18"**

<b><u>NET RATE (Per Month):</u></b>	<b><u>Distribution Charges</u></b>	<b><u>Monthly Base Rates</u></b>
(4) No new services for 1000 watt mercury floodlighting units on standard wood poles with overhead wiring will be installed:		
For existing installations on existing pole with secondary voltage supply available, per kWh, per light:		7.061¢
(5) Service consisting of a standard 175 watt mercury lighting unit on a standard wood pole with underground wiring per kWh, per light:		24.622¢
* For installation on a wood pole within fifty feet of existing secondary voltage supply, per light:	\$20.35	
* For installation of underground wiring in excess of fifty feet, per twenty-five foot increment:		\$1.02
(6) No new services for 175 watt decorative post-top mercury lighting units with underground wiring will be installed per kWh, per light: 19.976¢		
* For existing installations on a decorative pole within fifty feet of existing secondary voltage supply, per light:		\$16.69
* For existing installations of underground wiring in excess of fifty feet, per twenty-five foot increments:		\$1.02

For each lamp type listed above, except for those noted by a "\*", the following charges apply:

**Generation Charge:**

Energy Charge:  
For all kWh, per kWh 1.157¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier.

Energy Credit:  
For all kWh, per kWh 1.115¢



---

**OUTDOOR SECURITY LIGHTING RATE "GS-18"**

**Rate:**

Monthly charges for the following installation services shall include Distribution.

A Shopping Credit does not apply.

- (7) For installations requiring an additional pole and span of overhead circuit, an additional charge per pole:
- |                           |        |
|---------------------------|--------|
| Prior to January 1, 1974: | \$3.32 |
| After January 1, 1974:    | \$6.54 |
- (8) For installations on existing poles but requiring an extension of the secondary supply circuit, an additional charge per overhead span: \$1.44

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers, except this provision is not applicable to unpaid account balances of customers enrolled on income payment plans pursuant to Section 4901:1-18-04(B), Ohio Administrative Code. For residential customers, the late payment service charge will be assessed only when there is more than one late payment in a twelve-month period.

Billing for service under this rate is to be made part of the bill for other electric service furnished the customer.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) All facilities necessary for lighting service shall be and remain the property of the Company. Materials used and equipment styles shall be as determined by the Company.
- (3) When units with underground wiring are to be installed, the customer shall be responsible for paying the cost of any conduit required as well as any excess costs of trenching resulting from rock or other adverse soil conditions.
- (4) Lights provided under this rate shall operate from dusk to dawn every night, operating approximately 4200 hours annually.
- (5) All service, relamping and maintenance will be performed only during the regular scheduled working hours. Relamping and maintenance will normally be completed within 48 hours after notification by the customer.

**OUTDOOR SECURITY LIGHTING RATE "GS-18"**

- (6) Terms of contract for service under this rate shall be three (3) years and thereafter for units with overhead wiring, and five (5) years and thereafter for units with underground wiring until terminated by ten (10) days written notice from the customer to the Company, except as otherwise provided in the Company's rules and regulations.
- (7) The service supplied under this rate is offered for lighting of private property and is not available for public thoroughfare lighting by municipalities or other political subdivisions.
- (8) Upon the request of a customer for the installation of eight or more lights to be served from a single source, the Company will extend an existing primary voltage supply circuit and install appropriate transformer equipment. In such cases the customer will pay to the Company in advance a contribution in aid of construction equal to the total cost of the installation of the primary voltage supply circuit including poles, conductor, transformers and associated equipment.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

State kWh Tax Self-Assessor Credit Rider

Rider No. 15

Sheet No. 94

**LARGE POWER RATE "PV-44"**

**APPLICABILITY:**

Available to any Full Service customer on the lines of the Company applying for permanent service who shall contract for not less than six hundred fifty (650) kilovolt-amperes of capacity at a nominal voltage level of four thousand one hundred sixty (4160) volts or more. A Full Service customer is one that receives all retail electric services from the Company.

This rate is only available to Full Service customers on either Economic Development Rider No. 4 or No. 4A prior to April 18, 1996 and customers on a special contract approved by the PUCO or an application for approval of a special contract is pending before the PUCO prior to April 18, 1996.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

	-----Nominal Service-----		
	<b>Primary</b>	<b>Sub-Trans.</b>	<b>Bulk</b>
	4.16-12.47	23-34.5-69	138
	kV	kV	kV
<b>Transformer Charge, per KVA</b>	55.0¢	55.0¢	55.0¢
<b><u>Distribution Charge</u></b>			
Demand Charge:			
First 1,000 kVA, per kVA	\$4.125	\$4.885	\$4.318
Next 29,000 kVA, per kVA	\$4.081	\$4.806	\$4.269
All Additional kVA, per kVA	\$4.081	\$4.520	\$3.994
Customer Charge:	\$336.00	\$1,552.00	\$3,675.00

**LARGE POWER RATE "PV-44"**

-----Nominal Service-----		
Primary	Sub-Trans.	Bulk
4.16-12.47	23-34.5-69	138
kV	kV	kV

**Transmission Charges:**

Demand Charge:

First 1000 kVA, per kVA	\$1.581	\$1.858	\$1.646
Next 29,000 kVA, per kVA	\$1.564	\$1.828	\$1.627
All Additional kVA, per kVA	\$1.564	\$1.719	\$1.522

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service

For all kVa, per kVa	7.00¢	8.00¢	7.00¢
----------------------	-------	-------	-------

Reactive Supply Voltage Control from Generation Sources

For all kVa, per kVa	12.60¢	14.50¢	12.70¢
----------------------	--------	--------	--------

Regulation and Frequency Response Service

For all kVa, per kVa	8.10¢	9.40¢	8.20¢
----------------------	-------	-------	-------

Operating Reserve – Spinning Reserve Service

For all kVa, per kVa	12.10¢	14.00¢	12.30¢
----------------------	--------	--------	--------

Operating Reserve – Supplemental Reserve Service

For all kVa, per kVa	6.10¢	7.00¢	6.20¢
----------------------	-------	-------	-------

-----Nominal Service-----		
Primary	Sub-Trans.	Bulk
4.16-12.47	23-34.5-69	138
kV	kV	kV

**Generation Transition Charge**

Energy Charge:

First 300 kWh per kVA, per kWh	2.896¢	3.239¢	2.916¢
Next 150 kWh per kVA, per kWh	1.001¢	1.045¢	0.999¢
Over 450 kWh per kVA, per kWh	0.516¢	0.525¢	0.523¢

**LARGE POWER RATE "PV-44"**

-----Nominal Service-----		
Primary	Sub-Trans.	Bulk
4.16-12.47	23-34.5-69	138
kV	kV	kV

**Regulatory Transition Charges:**

Energy Charge:

First 300 kWh per kVA, per kWh	4.515¢	5.049¢	4.545¢
Next 150 kWh per kVA, per kWh	1.560¢	1.629¢	1.557¢
Over 450 kWh per kVA, per kWh	0.805¢	0.818¢	0.815¢

**Generation Charge:**

Demand Charge:

First 1000 kVA, per kVA	\$14.295	\$10.828	\$10.872
Next 29,000 kVA, per kVA	\$14.136	\$10.647	\$10.740
All Additional kVA, per kVA	\$14.136	\$9.982	\$10.020

Energy Charge:

First 300 kWh per kVA, per kWh	(2.308)¢	(3.615)¢	(3.161)¢
Next 150 kWh per kVA, per kWh	0.100¢	(0.237)¢	(0.181)¢
Over 450 kWh per kVA, per kWh	0.716¢	0.564¢	0.559¢

**MINIMUM:**

The net minimum charge per month shall be the customer charge plus the applicable demand charge applied to the monthly billing demand, including applicable adjustment charges or credits.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**ORDER OF BILLING:**

All charges and discounts shall be billed in the order in which they are presented in this tariff.

## **LARGE POWER RATE "PV-44"**

### **POWER FACTOR ADJUSTMENT:**

The above Rate is based on the maintenance by the customer at all times during the month of a power factor not less than the power factor at the time of maximum monthly demand. For any month when the average lagging power factor is less than eighty-five percent (85%), the Company shall make an additional charge of one percent (1.0%) of the total bill for each five percent (5%) difference between the average lagging power factor and eighty-five percent (85%). The average lagging power factor shall be determined from the kilowatt-hours and the lagging reactive kilovoltampere-hours supplied to the customer during the month.

### **MONTHLY BILLING DEMAND:**

The customer's monthly demand shall be the highest thirty (30) minute integrated kilovolt-ampere demand attained during the month. Any leading power factor shall be considered as unity.

#### **(1) Off-Peak Use:**

If the Full Service customer's monthly demand occurs during off-peak hours, the customer's Monthly Billing Demand will be the monthly demand less three-fourths (3/4) of the difference between the monthly demand and the highest demand attained during the on-peak hours of the same month. A Full Service customer is one that receives all retail electric services from the Company.

For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

#### **(2) Minimum Billing Demands:**

The Monthly Billing Demand shall be the monthly demand but not less than:

- (a) Fifty percent (50%) of the highest monthly demand experienced within the twelve months period ending with the month under consideration; or
- (b) Six hundred fifty (650) kilovolt-amperes.

### **MONTHLY DERIVED DEMAND:**

The customer's Monthly Derived Demand shall be the customer's monthly demand after adjustment for off-peak use but prior to adjustment for minimum billing demand as defined in (2)(a) under Monthly Billing Demand. In no case shall the Monthly Derived Demand be less than six hundred fifty (650) kilovolt-amperes.

### **TRANSFORMER CHARGE:**

In the past, the Company has agreed to provide standard primary transformers and protective equipment to the customer on an optional basis for an additional charge of fifty-five cents (55¢) per month per kVA of billing demand. This provision continues to be available for all customers receiving such service on the effective date of this rate but such provision will not be available to any additional customers.

## **LARGE POWER RATE "PV-44"**

### **SUBSTATION CHARGE:**

The Company is willing to furnish the substation electrical equipment sufficient to supply the customer's contract capacity. The said substation equipment shall be of the Company's standard rating and specifications to make one voltage transformation. The Company will own and maintain the substation equipment for the customer for a monthly charge computed at 1.60% of the Company's total investment in the equipment.

If the customer elects to have the Company furnish such facilities, the customer shall provide the necessary site and furnish, install and maintain the foundations, structures and fences. The customer shall reimburse the Company for costs of installation of electrical equipment furnished by the Company.

The monthly charges as provided for herein shall commence with the completion of equipment installation by the Company.

In the event that the amount of the Company's investment in such substation electrical facilities is increased or decreased due to change in amount of capacity provided or to other causes, the monthly charges shall be adjusted to reflect such change in the amount of the Company's investment.

If the customer shall subsequently desire to purchase such substation electrical equipment, the Company will sell the equipment at the depreciated market value at such time.

### **DELIVERY VOLTAGE:**

Delivery voltage will be specified by the Company predicated upon the availability of lines in the vicinity of the customer's premises and commensurate with the size of the customer's load. Customers with demands in excess of twenty-five hundred (2,500) kVA will generally be served at twenty-three thousand (23,000) volts or higher, while customers with demands in excess of thirty thousand (30,000) kVA will generally be served at sixty-nine thousand (69,000) volts or higher.

If changing conditions on the Company's electrical system make continuation of established voltage to the customer impractical, the Company will offer the customer the alternatives of constructing his own facilities so as to continue receiving service at the previous voltage, so long as it does not adversely affect the integrity of the Company's system, or, accept service at the new voltage.

### **TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) This rate covers the supply of three phase, 60 Hertz alternating current at not less than four thousand (4,000) volts.

All energy at this rate will be measured at the service voltage of four thousand (4,000) volts or higher except in such cases where the Company elects to measure at secondary voltage. If energy is measured at a secondary voltage, the Company may, at its option, adjust the reading to a primary metering basis by the use of compensating meters or by an estimate based on the rated transformer losses.

- (3) The Company will construct the transmission or distribution line to the customer's property line and will furnish and install the first span of conductors on the customer's property to the customer's structure.

In the event that more than one span of line is required on the customer's property, the customer will furnish, install, own and maintain the necessary structures, conductors and related line equipment.

The design and construction of all such facilities shall be subject to the Company's approval.

**LARGE POWER RATE "PV-44"**

- (4) Substation facilities necessary for utilization of power as delivered to the customer's premises shall be the responsibility of the customer. Such facilities shall include (but shall not be limited to) protective fences, supporting structures, line voltage bus, transformers, switchgear, protective devices, voltage regulators, etc. required to receive, transform and deliver service to the customer's utilization equipment.

The design and construction of the substation and the rating and specifications of the electrical equipment shall be subject to approval by the Company.

When, in the judgment of the Company, circuit breakers are required in the customer's substation for assuring the continuity of service to the customer or for the protection of service to other customers, the customer shall furnish, install, own and maintain such circuit breakers with rating as specified by the Company.

In order to provide for the orderly upgrading and improving of the Company's transmission system as additional loads dictate, the Company may require the customer to design and construct the substation so as to facilitate conversion to higher delivery voltages designated by the Company.

- (5) The customer is responsible for cleaning and maintaining substation equipment according to reasonable standards commensurate with safe operation, and the Company may refuse to deliver service to the customer's facilities if this is not done.
- (6) The customer shall provide, without charge to the Company, the necessary space, structure and foundations for the Company's metering equipment and instruments and shall permit the Company to have access to the premises at all times.
- (7) The Company shall have access to the premises at all times. All equipment furnished by the Company shall be and remain the property of the Company.
- (8) The customer shall provide all equipment necessary to regulate his operations so that the Company's primary voltage shall not be subject to excessive variation.
- (9) For the protection of the Company's facilities, the customer may be required to furnish, install, and maintain a load limiting device approved by and under the sole control of the Company.
- (10) Where the customer desires lighting service incidental to his power requirements such service may be purchased under this rate, provided the customer furnishes the additional transformers and all other equipment necessary. All such incidental lighting shall be metered through the power meter.
- (11) The customer shall use extraordinary care in so designing his circuits that the loads on the individual phases shall be practically balanced at all times.

**TERMS OF SERVICE AND CONTRACT:**

Service and contract under this schedule shall be for a period of four years with a self-renewal provision for successive periods of one year each unless written notice of termination is given ninety days before expiration of the four year period, or any one year renewal period.

The customer shall contract for capacity equal to the estimated maximum demand of his load. The Company will supply capacity in excess of that contracted for when such capacity is available, but reserves the right to refuse to supply such additional capacity when in the judgment of the Company to do so would jeopardize the quality or continuity of service to other customers.



**LARGE POWER RATE "PV-44"**

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

**LARGE GENERAL SERVICE RATE "PV-45"**

**APPLICABILITY:**

Available to any customer on the lines of the Company applying for permanent service who shall contract for not less than six hundred fifty (650) KW of capacity at a nominal voltage level of four thousand one hundred sixty (4160) volts or more.

**RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Reactive Demand Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from an approved Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

Demand Charge:

For the first 500 kW, per KW	\$4.904
For the next 500 kW, per KW	\$4.739
For all excess KW, per KW	\$4.570

Customer Charge:

The Monthly Customer Charge at the Primary Level shall be:	\$235.00
The subtransmission-level customer charge shall be:	\$1,450.00
The bulk transmission-level customer charge shall be:	\$3,350.00

**Transformer Charge**

Per kW	\$.55
--------	-------

**Reactive Demand Charge:**

Per rkVA	\$.48
----------	-------

**LARGE GENERAL SERVICE RATE "PV-45"**

**Transmission Charges:**

Demand Charge:

For the first 500 kW, per kW	\$1.509
For the next 500 kW, per kW	\$1.458
For all excess, per kW	\$1.406

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service	
For all kWd, per kW	6.60¢
Reactive Supply Voltage Control from Generation Sources	
For all kWd, per kW	11.90¢
Regulation and Frequency Response Service *	
For all kWd, per kW	7.60¢
Operating Reserve – Spinning Reserve Service *	
For all kWd, per kW	11.50¢
Operating Reserve – Supplemental Reserve Service *	
For all kWd, per kW	5.70¢

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**Generation Transition Charge:**

Energy Charge:

First 150 kWh per kW	
of Monthly Billing Demand, per kWh	3.692¢
Next 150 kWh per kW	
of Monthly Billing Demand, per kWh	2.579¢
Next 150 kWh per kW	
of Monthly Billing Demand, per kWh	0.352¢
All Additional kWh, per kWh	0.210¢

**LARGE GENERAL SERVICE RATE "PV-45"**

**Regulatory Transition Charges:**

Energy Charge:

First 150 kWh per kW, per kWh	5.503¢
Next 150 kWh per kW, per kWh	3.844¢
Next 150 kWh per kW, per kWh	0.524¢
All Additional kWh, per kWh	0.312¢

**Generation Charge:**

Demand Charge

For the first 500 kW, per kW	\$7.964
For the next 500 kW, per kW	\$7.680
For all excess kW, per kW	\$7.391

Energy Charge:

First 150 kWh per kW, per kWh	(0.251)¢
Next 150 kWh per kW, per kWh	0.671¢
Next 150 kWh per kW, per kWh	2.139¢
All Additional kWh, per kWh	1.884¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier.

Demand Charge:

For the first 500 kW, per kW	\$6.353
For the next 500 kW, per kW	\$6.121
For all excess kW, per kW	\$5.717

Energy Charge:

First 150 kWh per kW, per kWh	3.189¢
Next 150 kWh per kW, per kWh	2.782¢
Next 150 kWh per kW, per kWh	0.950¢
All Additional kWh, per kWh	0.675¢

**MINIMUM:**

The net minimum charge per month shall be the customer charge plus the applicable demand charge applied to the monthly billing demand, including applicable adjustment charges or credits.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

## **LARGE GENERAL SERVICE RATE "PV-45"**

### **PRIMARY SERVICE DISCOUNT:**

A discount on the net bill, excluding all applicable riders, of three and one-half percent (3 1/2%) will be made to any customer receiving primary service and owning the substation, in compliance with the Terms and Conditions section of this rate.

### **SUBTRANSMISSION DISCOUNT:**

A discount on the net bill, excluding all applicable riders, of 12.2% will be made to any customer receiving service at the subtransmission level (23, 34.5 or 69 kV).

### **BULK TRANSMISSION DISCOUNT:**

A discount on the net bill, excluding all applicable riders of 16.4% will be made to any customer receiving service at the bulk transmission level (138 kV).

### **REACTIVE BILLING DEMAND:**

- (1) The Company shall each month determine the net leading or lagging reactive kilovoltampere demand registered during the same 30-minute period as the maximum Kilowatt Demand.
- (2) If the rkVA demand so determined is lagging, the reactive billing demand shall be the rkVA which are in excess of 10 percent of the Kilowatt Demand billed.
- (3) If the rkVA demand so determined is leading, the reactive billing demand shall be the rkVA which are in excess of 40 percent of the Kilowatt Demand billed.

### **ORDER OF BILLING:**

All charges and discounts shall be billed in the order in which they are presented in this tariff.

### **POWER FACTOR ADJUSTMENT:**

The above Rate is based on the maintenance by the customer at all times during the month of a power factor not less than the power factor at the time of maximum monthly demand. For any month when the average lagging power factor is less than eighty-five percent (85%), the Company shall make an additional charge of one percent (1.0%) of the total bill for each five percent (5%) difference between the average lagging power factor and eighty-five percent (85%). The average lagging power factor shall be determined from the kilowatt-hours and the lagging reactive kilovolt-ampere-hours supplied to the customer during the month.

### **MONTHLY BILLING DEMAND:**

The customer's monthly demand shall be the highest thirty (30) minute integrated kW demand attained during the month. Any leading power factor shall be considered as unity.

#### **(1) Off-Peak Use:**

If the Full Service customer's monthly demand occurs during off-peak hours, the customer's Monthly Billing Demand will be the monthly demand less three-fourths (3/4) of the difference between the monthly demand and the highest demand attained during the on-peak hours of the same month. . A Full Service customer is one that receives all retail electric services from the Company.

For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

**LARGE GENERAL SERVICE RATE "PV-45"**

**(2) Minimum Billing Demands:**

The Monthly Billing Demand shall be the monthly demand but not less than:

- (a) Fifty percent (50%) of the highest monthly demand experienced within the twelve months period ending with the month under consideration; or
- (b) Six hundred fifty (650) kW.

**MONTHLY DERIVED DEMAND:**

The customer's Monthly Derived Demand shall be the customer's monthly demand after adjustment for off-peak use but prior to adjustment for minimum billing demand as defined in (2)(a) under Monthly Billing Demand. In no case shall the Monthly Derived Demand be less than six hundred fifty (650) kilowatts (kW).

**TRANSFORMER CHARGE:**

In the past, the Company has agreed to provide standard primary transformers and protective equipment to the customer on an optional basis for an additional charge of 55 cents per month per kW of billing demand. This provision continues to be available for all customers receiving such service on the effective date of this rate but such provision will not be available to any additional customers.

**SUBSTATION CHARGE:**

The Company is willing to furnish the substation electrical equipment sufficient to supply the customer's contract capacity. The said substation equipment shall be of the Company's standard rating and specifications to make one voltage transformation. The Company will own and maintain the substation equipment for the customer for a monthly charge computed at 1.60% of the Company's total investment in the equipment.

If the customer elects to have the Company furnish such facilities, the customer shall provide the necessary site and furnish, install and maintain the foundations, structures and fences. The customer shall reimburse the Company for costs of installation of electrical equipment furnished by the Company.

The monthly charges as provided for herein shall commence with the completion of equipment installation by the Company.

In the event that the amount of the Company's investment in such substation electrical facilities is increased or decreased due to change in amount of capacity provided or to other causes, the monthly charges shall be adjusted to reflect such change in the amount of the Company's investment.

If the customer shall subsequently desire to purchase such substation electrical equipment, the Company will sell the equipment at the depreciated market value at such time.

**DELIVERY VOLTAGE:**

Delivery voltage will be specified by the Company predicated upon the availability of lines in the vicinity of the customer's premises and commensurate with the size of the customer's load. Customers with demands in excess of twenty-five hundred (2,500) kW will generally be served at twenty-three thousand (23,000) volts or higher, while customers with demands in excess of thirty thousand (30,000) kW will generally be served at sixty-nine thousand (69,000) volts or higher.

Nominal service voltage-kilowatts for bulk is 138 and above, subtransmission is 23, 34.5 and 69, and primary is 4.16 and 12.47.

If changing conditions on the Company's electrical system make continuation of established voltage to the customer impractical, the Company will offer the customer the alternatives of constructing his own facilities so as to continue receiving service at the previous voltage, so long as it does not adversely affect the integrity of the Company's system, or, accept service at the new voltage.

**LARGE GENERAL SERVICE RATE "PV-45"**

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) This rate covers the supply of three phase, 60 Hertz alternating current at not less than four thousand (4,000) volts.  
All energy at this rate will be measured at the service voltage of four thousand (4,000) volts or higher except in such cases where the Company elects to measure at secondary voltage. If energy is measured at a secondary voltage, the Company may, at its option, adjust the reading to a primary metering basis by the use of compensating meters or by an estimate based on the rated transformer losses.
- (3) The Company will construct the transmission or distribution line to the customer's property line and will furnish and install the first span of conductors on the customer's property to the customer's structure.  
In the event that more than one span of line is required on the customer's property, the customer will furnish, install, own and maintain the necessary structures, conductors and related line equipment.  
The design and construction of all such facilities shall be subject to the Company's approval.
- (4) Substation facilities necessary for utilization of power as delivered to the customer's premises shall be the responsibility of the customer. Such facilities shall include (but shall not be limited to) protective fences, supporting structures, line voltage bus, transformers, switchgear, protective devices, voltage regulators, etc. required to receive, transform and deliver service to the customer's utilization equipment.  
The design and construction of the substation and the rating and specifications of the electrical equipment shall be subject to approval by the Company.  
  
When, in the judgment of the Company, circuit breakers are required in the customer's substation for assuring the continuity of service to the customer or for the protection of service to other customers, the customer shall furnish, install, own and maintain such circuit breakers with rating as specified by the Company.  
In order to provide for the orderly upgrading and improving of the Company's transmission system as additional loads dictate, the Company may require the customer to design and construct the substation so as to facilitate conversion to higher delivery voltages designated by the Company.
- (5) The customer is responsible for cleaning and maintaining substation equipment according to reasonable standards commensurate with safe operation, and the Company may refuse to deliver service to the customer's facilities if this is not done.
- (6) The customer shall provide, without charge to the Company, the necessary space, structure and foundations for the Company's metering equipment and instruments and shall permit the Company to have access to the premises at all times.
- (7) The Company shall have access to the premises at all times. All equipment furnished by the Company shall be and remain the property of the Company.
- (8) The customer shall provide all equipment necessary to regulate his operations so that the Company's primary voltage shall not be subject to excessive variation.
- (9) For the protection of the Company's facilities, the customer may be required to furnish, install, and maintain a load limiting device approved by and under the sole control of the Company.

**LARGE GENERAL SERVICE RATE "PV-45"**

- (10) Where the customer desires lighting service incidental to his power requirements such service may be purchased under this rate, provided the customer furnishes the additional transformers and all other equipment necessary. All such incidental lighting shall be metered through the power meter.
- (11) The customer shall use extraordinary care in so designing his circuits that the loads on the individual phases shall be practically balanced at all times.

**TERMS OF SERVICE AND CONTRACT:**

Service and contract under this schedule shall be for a continuous period of five years with a self-renewal provision for successive periods of two years each unless written notice of termination is given two years before expiration of the five year period, or any two year renewal period.

The customer shall contract for capacity equal to the estimated maximum demand of his load. The Company will supply capacity in excess of that contracted for when such capacity is available, but reserves the right to refuse to supply such additional capacity when in the judgment of the Company to do so would jeopardize the quality or continuity of service to other customers.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Electric Fuel Component	Rider No. 1	Sheet No. 79
Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94



---

**INTERRUPTIBLE POWER RATE "PV-46"**

**APPLICABILITY:**

THIS RATE IS CLOSED TO NEW CUSTOMERS. This closing does not apply to those Full Service Customers already receiving service on this rate schedule. The Company is the sole judge of the capacity which may be made available to Customers under this rate schedule, and service under this rate schedule is provided only to those Customers who agree to the conditions of services specified herein, and only when, in the judgment of the Company, such service will not jeopardize the quality or continuity of service to other Customers. A Full Service Customer is one that receives all retail electric services from the Company.

**RATE:**

Monthly charges per Customer for all Customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges, and Generation Charges, as shown below. Customers who receive Generation Services from a Certified Supplier may not be served under this schedule: therefore no Shopping Credit applies to this schedule.

**Distribution Charge**

Customer Charge:	\$ 1,500.00
Demand Charge: For all KVA	\$ 6.452

**Transmission Charge**

Demand Charge: For all KVA	\$ 0.348
-------------------------------	----------

**Ancillary Service Charge**

Scheduling, System Control and Dispatch Service For all KVA	\$ 0.0162
Reactive Supply Voltage Control from Generation Sources For all KVA	\$ 0.0293
Regulation and Frequency Response Service * For all KVA	\$ 0.0187
Operating Reserve – Spinning Reserve Service * For all KVA	\$ 0.0283
Operating Reserve – Supplemental Reserve Service * For all KVA	\$ 0.0140

\* This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the Customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

---

**INTERRUPTIBLE POWER RATE "PV-46"**

**Generation Charge**

Demand Charge:	
For all KVA	\$ 5.174
Energy Charge:	
First 300 kWh per KVA of demand, per kWh	\$ 0.01372
Next 150 kWh per KVA of demand, per kWh	\$ 0.02237
All excess kWhs, per kWh	\$ 0.01865

**MINIMUM:**

The net minimum charge per month shall be the Customer charge plus the applicable demand charge applied to the monthly billing demand, including applicable adjustment charges or credits.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date for non-residential bills shall not be less than twenty-one days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers. Company and Customer may agree to alternative billing and payment arrangements but such billing and payment arrangements shall reflect the rates set forth herein over the duration of this rate schedule.

**ORDER OF BILLING:**

All charges and discounts shall be billed in the order in which they are presented in this tariff.

**ADJUSTMENT OF DEMAND CHARGE:**

If the Company is unable during any month to make available to the Customer capacity equal to the Monthly Billing Demand for at least 550 hours, the Generation Demand Charge above will be reduced 2.19¢/KVA of Monthly Billing Demand for each hour of such deficiency below 550 hours.

**POWER FACTOR ADJUSTMENT:**

The above Rate is based on the maintenance by the Customer at all times during the month of a power factor not less than the power factor at the time of maximum monthly demand. For any month when the average lagging power factor is less than eighty-five percent (85%) the Company shall make an additional charge of one percent (1.0%) of the total bill for each five percent (5%) difference between the average lagging power factor and eighty-five (85%). The average lagging power factor shall be determined from the kilowatthours and the lagging reactive kilovolt-ampere-hour supplied to the Customer during the month.

---

**INTERRUPTIBLE POWER RATE "PV-46"**

**MONTHLY BILLING DEMAND:**

The Customer's monthly demand shall be the highest thirty (30) minute integrated kilovolt-ampere demand attained during the month. Any leading power factor shall be considered as unity.

(1) Off-Peak Use:

If the Customer's monthly demand occurs during off-peak hours, the Customer's Monthly Billing Demand will be the monthly demand less three-fourths (3/4) of the difference between the monthly demand and the highest demand attained during the on-peak hours of the same month.

For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

(2) Minimum Billing Demands:

The Monthly Billing Demand shall be the monthly demand but not less than:

- (a) Fifty percent (50%) of the highest monthly demand experienced within the twelve month period ending with the month under consideration; or
- (b) Four Thousand (4,000) kilovolt-amperes.

(3) Demand Adjustment:

- (a) Whenever the Customer's monthly demand is greater than or equal to eight thousand (8,000) kilovolt-amperes, the Customer's monthly demand shall be reduced by one thousand (1,000) kilovolt-amperes.
- (b) Whenever the Customer's monthly demand is less than eight thousand (8,000) kilovolt-amperes but greater than seven thousand (7,000) kilovolt-amperes, the Customer's monthly demand shall be reduced to equal seven thousand (7,000) kilovolt-amperes.

**MONTHLY DERIVED DEMAND:**

The Customer's Monthly Derived Demand shall be the Customer's monthly demand prior to adjustment for Minimum Billing Demand as defined in (2)(a) under Monthly Billing Demand. In no case shall the Monthly Derived Demand be less than six hundred fifty (650) kilovolt-amperes.

**INTERRUPTIBLE POWER RATE "PV-46"**

**SUBSTATION CHARGE:**

The Company is willing to furnish and install the substation electrical equipment sufficient to supply the Customer's contract capacity. The said substation equipment shall be of the Company's standard rating and specifications to make one voltage transformation. The Company will own and maintain the substation equipment for the Customer for a monthly charge computed at 1.60% of the Company's total investment in the equipment.

If the Customer elects to have the Company furnish such facilities, the Customer shall provide the necessary site and furnish, install and maintain the foundations structures and fence. The Customer shall reimburse the Company for costs of installation of electrical equipment furnished by the Company.

The Company shall have access to the premises at all times. All equipment furnished by the Company shall be and remain the property of the Company.

The monthly charges as provided for herein shall commence with the completion of equipment installation by the Company.

In the event that the amount of the Company's investment in such substation electrical facilities is increased or decreased due to change in the amount of capacity provided or to other causes, the monthly charges shall be adjusted to reflect such change in the amount of the Company's investment.

If the Customer shall subsequently desire to purchase such substation electrical equipment, the Company will sell the equipment at the depreciated market value at such time.

**SPECIAL RULES:**

- (1) Power will be supplied to a Customer contracting for service under this rate schedule during hours determined solely by the Company. Supervisory controlled circuit breakers or circuit switchers required for interruption will be provided by the Customer and will be under the direct control of the Company's load dispatching personnel at all times.
- (2) Where in the Company's judgment the period of interruption may be for more than one week, the Company will, upon request, seek to obtain from other sources, temporary power supplies equal to the amount of capacity interrupted. If such supply is available, the Company will advise Customer of the cost and the terms and conditions under which it will be available. If such an offer is acceptable, the Company will permit the Customer to resume use of power under those terms and conditions and at a rate representing the additional costs associated with obtaining such power.

**INTERRUPTIBLE POWER RATE "PV-46"**

- (3) The Company will endeavor to provide the full contract capacity requirements of the Customer for not less than 550 hours each month and not less than 7500 hours during each calendar year. The Company will also endeavor to provide as much advance notice as possible of the interruptions of service to be made hereunder, but reserves the right to interrupt service without notice whenever emergencies or other operating conditions, in the judgment of the Company, require the interruption of the Customer's service.
- (4) The Customer, to the extent practicable, shall advise the Company of planned curtailments of its capacity requirements.
- (5) The firm power requirements of the Customer will be supplied thru a separate service and meter under the provisions of a rate schedule applicable to the service rendered. If the Company is required to provide firm service to the Customer's entire load by order of a Government agency with proper authority to order such service, the service rendered under such an order will be billed to the Customer at the appropriate firm service rate.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) This schedule covers the supply of three phase, 60 Hertz, primary current from the Company's overhead transmission circuits delivered at approximately sixty-nine thousand (69,000) volts or higher with a ten percent (10%) allowable voltage variation.
- (3) The Customer shall contract for capacity equal to the estimated maximum demand of his load. The Company will supply capacity in excess of that contracted for which such capacity is available, but reserves the right to refuse to supply such additional capacity when in the judgment of the Company to do so would jeopardize the quality of continuity of service to other Customers.
- (4) The Company will construct the transmission line to the Customer's property line and will furnish and install the first span of conductors on the Customer's property to the Customer's structure.

In the event that more than one span of transmission circuit is required on the Customer's property, the Customer will furnish, install, own and maintain the necessary structures, conductors and related transmission line equipment.

**INTERRUPTIBLE POWER RATE "PV-46"**

The design and construction of all such facilities shall be subject to the Company's approval.

- (5) The substation, including the site, structures, foundations, fence, electrical equipment and all other necessary facilities shall be furnished, installed, owned and maintained by the Customer.

The design and construction of the substation and the rating and specifications of the electrical equipment including circuit breakers or circuit switchers shall be subject to approval by the Company.

The Customer shall provide, without charge to the Company, the necessary space, structure and foundations for the Company's metering equipment and instruments and shall permit the Company to have access to the premises at all times.

- (6) The Customer shall use extraordinary care in so designing its circuits that the loads on the individual phases shall be practically balanced at all times.
- (7) The Customer shall provide all equipment necessary to regulate his operations so that the Company's transmission voltage shall not be subject to excessive variation.
- (8) For the protection of the Company's facilities, the Customer may be required to furnish, install and maintain a load limiting device approved by and under the sole control of the Company.

**TERM OF SERVICE AND CONTRACT:**

Service and contract under this schedule shall be for a period of three years with a self-renewal provision for successive periods of one year each. Written notice of contract termination by either party must be provided at least one hundred eighty days prior to the expiration of the three year period or any one year renewal period. However, no contract period or self-renewal period shall extend beyond December 31, 2005.

The Customer may at his option terminate service under this schedule at the end of any contract period upon ninety (90) days notice and contract for firm service for his entire load under the provisions of the appropriate tariff for firm service.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders:

Universal Service	Rider No. 11	Sheet No. 79
Temporary Rider for EEF	Rider No. 12	Sheet No. 90
Net Energy Metering	Rider No. 14	Sheet No. 93

**INTERRUPTIBLE POWER RATE "PV-46"**

**EXPIRATION PERIOD:**

This rate schedule shall be closed to all Customers as of January 1, 2006. Any Customer taking service under this rate schedule as of December 31, 2005 that has not selected another appropriate rate schedule to take service from on January 1, 2006 shall be assigned by the Company to another appropriate rate schedule for service taken after December 31, 2005.

**COGENERATION AND SMALL  
POWER PRODUCER RATE CO-1**

**APPLICABILITY:**

Available to any qualifying facility (QF) on the lines of Toledo Edison Company (The Company) with a design capacity of 100 kW or less for the sale of electricity to the Company at a single interconnection point. A QF shall be defined by and meet the requirements of the Public Utility Regulatory Policies Act of 1978, Title 18 Code of Federal Regulations Section 292.

**RATE:**

**(a) Energy**

- (1) Kilowatt-Hour Meter. When a kilowatt-hour meter is used, the energy supplied by the QF shall be purchased by the Company at the avoided energy cost calculated by the Company for the appropriate off-peak period.
- (2) Time of Day Meter. When time of day metering is used, energy supplied by a QF shall be purchased by the Company at the avoided energy cost for the time period in which the energy was supplied.
- (3) Rates. The rates for avoided energy based on on-peak delivery time shall be 1.60¢/KWH in the Summer and 1.70¢/KWH in the Winter. That based on off-peak delivery time shall be 1.20¢/KWH in the Summer and 1.40¢/KWH in the Winter. On-peak hours are 8 a.m. to 8 p.m., weekdays. Off-peak hours are 8 p.m. to 8 a.m. weekdays plus all hours on weekend days and holidays. Summer includes June, July, August and September. Winter includes January through May and October through December.

**(b) Reactive Power**

The Company may, at its option, test or meter the reactive power used or produced by the QF. The maximum RKVA used shall be billed to the customer at \$.48 per RKVA per month.

**(c) Customer Charge**

- (1) Kilowatt-Hour Meter. When a kilowatt-hour meter is used, the monthly customer charge shall be \$5.90.
- (2) Time of Day Meter. When a time of day meter is used, the monthly customer charge shall be \$40.80.

**INTERCONNECTION CHARGE:**

The QF shall pay the costs of connection, switching, metering, transmission, distribution, safety provisions and administrative costs incurred by the electric utility directly related to the installation and maintenance of the physical facilities necessary to permit interconnected operations with qualifying facility, to the extent such costs are in excess of the corresponding costs which the electric utility would have incurred if it had not engaged in interconnected operations. Costs for the transmission of energy for the qualifying facility shall be in accordance with the Company's FERC Open Access Transmission Tariff.

A QF, at its option, may reimburse the Company for interconnection costs over a period not to exceed thirty-six months including interest computed at 1.5% monthly on the unpaid balance.



**COGENERATION AND SMALL  
POWER PRODUCER RATE CO-1**

**ANCILLARY SERVICES:**

Supplementary power, back-up power, interruptible power and maintenance power shall be supplied to a QF under the Company's standard rate schedules now on file with the Public Utilities Commission of Ohio, unless the use of these schedules impairs the electric utility's ability to render adequate service or places an undue burden on the electric utility.

**DEFINITIONS:**

(a) **Time Periods**

- (1) On-Peak Periods. The on-peak periods shall be the hours from 8:00 a.m. to 8:00 p.m. on weekdays, except holidays.
- (2) Off-Peak Periods. The off-peak periods shall be the hours from 8:00 p.m. to 8:00 a.m. on weekdays, plus all hours on weekends and holidays.
- (3) Time periods will be determined by clock time (standard or daylight) in effect in the Eastern Time Zone.
- (4) Holidays. Holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days.

(b) **Avoided Energy Costs**

Avoided energy costs means the incremental cost to the Company of generating electric energy or purchasing electric energy from another source that was avoided due to the purchase from qualifying facilities. Incremental cost includes fuel, fuel and ash handling and incremental maintenance costs.

(c) **Ancillary Services**

- (1) "Supplementary Power" means electric energy or capacity supplied by an electric utility, regularly used by a qualifying facility in addition to that which the facility generates itself.
- (2) "Back-up Power" means electric energy or capacity supplied by an electric utility to replace energy ordinarily generated by a facility's own generation equipment during an unscheduled outage of the facility.
- (3) "Interruptible Power" means electric energy or capacity supplied by an electric utility subject to interruption by the electric utility under specified conditions.
- (4) "Maintenance Power" means electric energy or capacity supplied by an electric utility during scheduled outages of the qualifying facility.

**TERMS AND CONDITIONS:**

All QFs shall comply with applicable, national, state and local electric codes. All QFs shall comply with Company rules and regulations listed in this tariff as well as the Standard Rules and Regulations on file with the Public Utilities Commission of Ohio.

**COGENERATION AND SMALL  
POWER PRODUCER RATE CO-1**

At the delivery point, a disconnect switch shall be installed by the customer and operated by the Company to permit isolation of the QF from the Company's system during periods of abnormal operation. All protective equipment is installed, owned and maintained by the customer. Although design of the QF and its protective devices is not the responsibility of the Company, the Company reserves the right to inspect the facilities and their operation. If, in the judgment of the Company, the QF does not conform to rules and regulations, does not provide adequate safety to Company personnel, interferes with the supply of electric service to others, or produces undesirable harmonics or wave distortions, the Company reserves the right to refuse or terminate parallel operation of the QF with the Company's system until such condition is corrected. Parallel operation must cease immediately and automatically during system outages and other emergency conditions specified by the Company.

The Company's consent for the QF to operate in parallel with the Company's system is on the condition that the QF protects its facilities and the Company's system from damage and upon the further condition that the Company shall not be liable to the QF for any loss, cost, damage or expense which the QF may suffer by reason of damage to or destruction of any property, including the loss of use thereof arising out of, or in any manner connected with such parallel operation, unless such loss, cost, damage or expense is caused by the sole negligence of the Company, its agents, or employees. The QF will defend, indemnify and hold the Company harmless from any and all claims or actions by third parties, including attorney's fees, resulting from the operation of a QF.

The PUCO approval of the above tariff language in respect to the limitation of liability arising from the Company's negligence does not constitute a determination that such limitation language should be upheld in a court of law. Approval of the Commission merely recognizes that since it is a court's responsibility to adjudicate negligence and consequent damage claims, it should be also the court's responsibility to determine the validity of the exculpatory clause.

**TERM OF CONTRACT:**

The term of the contract shall be one year from the date of application and thereafter until terminated by ten days written notice from the customer to the Company. Any interconnection costs owed to the Company will become payable in full at the time of termination.

**STREET LIGHTING SERVICE "SL-1"**

**APPLICABILITY**

Available to any municipality or governmental authority for the furnishing of street lighting service to its streets, lands, lanes, squares, avenues and other public places where the street lighting equipment, in the opinion of the Company, can be installed and maintained using Company vehicles. For purposes of this tariff, street lighting equipment includes the lights and all other equipment furnished by the Company to provide the lighting service authorized by this tariff.

**Rate:**

Monthly charges per customer for all customers served under this schedule shall include Distribution and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

1. NET RATE (PER MONTH)

PLAN I - COMPANY OWNED INSTALLATIONS

SINGLE LIGHTS

INCANDESCENT STREET LIGHTING RATE SCHEDULE (a):

<u>Nominal Lumens</u>	<u>Kilowatts</u>	<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
		<u>Overhead</u>		<u>Underground</u>
<u>Wood Pole</u>	<u>Steel Pole</u>			
6,000	0.448	7.062¢	8.240¢	12.508¢
10,000	0.690	5.608¢	6.537¢	9.389¢
15,000	0.803	--	--	8.560¢

(a) The Company will not install new incandescent lights. The Company will not maintain existing incandescent lighting equipment.

FLUORESCENT STREET LIGHTING RATE SCHEDULE (b):

<u>Nominal Lumens</u>	<u>Kilowatts</u>	<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
		<u>Overhead</u>		<u>Underground</u>
<u>Wood Pole</u>	<u>Steel Pole</u>			
13,800	0.268	--	--	17.981¢
43,600	0.754	--	6.257¢	8.113¢

(b) The Company will not install new fluorescent lights. The Company will not maintain existing fluorescent lighting equipment.

**STREET LIGHTING SERVICE "SL-1"**

PLAN I - COMPANY OWNED INSTALLATIONS (Cont'd)

SINGLE LIGHTS (Cont'd)

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
175 (Area Security)	0.211	9.201¢	--	--
175 (Post Top)	0.208	--	--	18.297¢
175	0.211	8.999¢	12.512¢	18.323¢
250	0.297	6.994¢	9.302¢	13.484¢
400	0.466	5.583¢	7.454¢	9.970¢
700	0.843	5.012¢	6.130¢	6.842¢
1,000	1.138	4.373¢	5.215¢	5.680¢

(c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.

**STREET LIGHTING SERVICE "SL-1"**

PLAN I - COMPANY OWNED INSTALLATIONS (Cont'd)

SINGLE LIGHTS (Cont'd)

HIGH PRESSURE SODIUM STREET LIGHTING RATE SCHEDULE:

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
100 (Area Security)	0.120	20.929¢	--	--
100 (Post Top)	0.134	--	--	35.641¢
100 (Post Top Gothic)	0.134	--	--	62.662¢
100	0.127	23.738¢	27.829¢	35.215¢
150	0.193	17.200¢	19.406¢	21.097¢
250	0.310	10.674¢	14.802¢	16.362¢
250 (Bridge)	0.310	--	--	17.463¢
250 (Downtown)	0.310	--	--	32.233¢
400	0.465	9.295¢	11.687¢	12.178¢
400 (Bridge)	0.465	--	--	13.129¢
400 (Downtown)	0.465	--	--	31.503¢
400 (Davit Pole)	0.465	--	--	10.798¢
400 (Deca Shield)	0.465	--	13.313¢	13.651¢
200 (Flood)	0.249	16.997¢	19.755¢	24.870¢
400 (Flood)	0.465	11.166¢	13.068¢	14.111¢

**STREET LIGHTING SERVICE "SL-1"**

PLAN I - COMPANY OWNED INSTALLATIONS (Cont'd)

TWIN LIGHTS

INCANDESCENT STREET LIGHTING RATE SCHEDULE (a):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Nominal Lumens</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
10,000	0.690	--	--	7.405¢

(a) The Company will not install new incandescent lights. The Company will not maintain existing incandescent lighting equipment.

FLUORESCENT STREET LIGHTING RATE SCHEDULE (b):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Nominal Lumens</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
13,800	0.268	--	--	12.236¢

(b) The Company will not install new fluorescent lights. The Company will not maintain existing fluorescent lighting equipment.

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
175	0.211	7.647¢	--	12.715¢
250	0.297	--	--	9.398¢
400	0.466	4.908¢	5.828¢	6.963¢
700	0.843	--	--	4.757¢

(c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.

**STREET LIGHTING SERVICE "SL-1"**

PLAN I - COMPANY OWNED INSTALLATIONS (Cont'd)

TWIN LIGHTS (Cont'd)

HIGH PRESSURE SODIUM STREET LIGHTING RATE SCHEDULE:

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
100	0.120	23.905¢	25.096¢	30.810¢
150	0.193	15.656¢	16.024¢	21.612¢
250	0.310	10.765¢	11.499¢	14.756¢
400	0.465	--	--	--
400 (Davit Pole)	0.465	--	--	7.884¢

PLAN II - COMBINATION POLES

ALL LIGHTS INSTALLED UNDER THIS PLAN WILL BE CHARGED AT THE APPROPRIATE PLAN I RATE, BASED UPON LIGHT TYPE AND SIZE.

PLAN III - COMBINATION POLES

SINGLE LIGHTS

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
175	0.211	--	6.161¢	--
250	0.297	--	5.119¢	9.638¢
400	0.466	--	4.295¢	6.473¢
700	0.843	--	3.690¢	4.639¢
1,000	1.138	--	3.117¢	4.361¢

(c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.

**STREET LIGHTING SERVICE "SL-1"**

PLAN III - COMBINATION POLES (Cont'd)

SINGLE LIGHTS (Cont'd)

HIGH PRESSURE SODIUM STREET LIGHTING RATE SCHEDULE:

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
100	0.120	--	37.596¢	43.667¢
250	0.310	--	14.802¢	18.976¢
250 (Downtown)	0.310	--	--	27.096¢
400	0.465	--	7.117¢	7.546¢
400 (Downtown)	0.465	--	--	19.448¢

PLAN III - COMBINATION POLES (Cont'd)

TWIN LIGHTS

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
400	0.466	--	--	5.491¢
700	0.843	--	--	4.249¢

- (c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.



**STREET LIGHTING SERVICE "SL-1"**

HIGH PRESSURE SODIUM VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
400 (Downtown)	0.465	--	--	13.865¢

PLAN IV - COMBINATION POLES

ALL LIGHTS INSTALLED UNDER THIS PLAN WILL BE CHARGED AT THE APPROPRIATE PLAN I RATE, BASED UPON LIGHT TYPE AND SIZE.

PLAN V - CITY-OWNED EXPRESSWAY INSTALLATIONS

(South End Bridge - Part III:  
Manhattan Segment; I-75/I-475; I-75/LaGrange;  
I-75/Access Road; I-75/Alexis Road)

SINGLE LIGHTS

FLUORESCENT STREET LIGHTING RATE SCHEDULE (b):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Nominal Lumens</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
21,800	0.384	--	5.812¢	--

(b) The Company will not install new fluorescent lights. The Company will not maintain existing fluorescent lighting equipment.

**STREET LIGHTING SERVICE "SL-1"**

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
250	0.297	--	4.109¢	--
400	0.466	--	3.252¢	--
700	0.843	--	2.995¢	--
1,000	1.138	--	2.665¢	--

(c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.

PLAN V - CITY-OWNED EXPRESSWAY INSTALLATIONS (Cont'd)

(South End Bridge - Part III:  
Manhattan Segment; I-75/I-475; I-75/LaGrange;  
I-75/Access Road; I-75/Alexis Road) (Cont'd)

SINGLE LIGHTS (Cont'd)

HIGH PRESSURE SODIUM VAPOR STREET LIGHTING RATE SCHEDULE:

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
250	0.310	4.619¢	--	--

**STREET LIGHTING SERVICE "SL-1"**

PLAN VI - CITY-OWNED EXPRESSWAY INSTALLATIONS (Cont'd)

(South End Bridge - Part IV:  
Downtown Complex)

SINGLE LIGHTS

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
250	0.297	--	4.013¢	--
400	0.466	--	3.160¢	--

(c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.

PLAN VII - CITY-OWNED EXPRESSWAY INSTALLATIONS (Cont'd)

(South End Bridge - Part II:  
Broadway/Emerald Avenue)

SINGLE LIGHTS

FLUORESCENT STREET LIGHTING RATE SCHEDULE (b):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Nominal Lumens</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
6,000	0.126	--	15.215¢	--
21,800	0.384	--	5.812¢	--

(b) The Company will not install new fluorescent lights. The Company will not maintain existing fluorescent lighting equipment.

**STREET LIGHTING SERVICE "SL-1"**

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
250	0.297	--	4.109¢	--
400	0.466	--	3.282¢	--

(c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.

PLAN VIII - CITY-OWNED EXPRESSWAY INSTALLATIONS (Cont'd)

(South End Bridge - Part I)

SINGLE LIGHTS

FLUORESCENT STREET LIGHTING RATE SCHEDULE (b):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Nominal Lumens</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
21,800	0.384	--	8.797¢	--

(b) The Company will not install new fluorescent lights. The Company will not maintain existing fluorescent lighting equipment.

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
250	0.297	--	6.321¢	--

(c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.

**STREET LIGHTING SERVICE "SL-1"**

PLAN IX - CITY-OWNED EXPRESSWAY INSTALLATIONS (Cont'd)

(I-280/Craig Bridge and I-75/South Street)

SINGLE LIGHTS

INCANDESCENT STREET LIGHTING RATE SCHEDULE (a):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Nominal Lumens</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
10,000	0.690	--	3.955¢	--

(a) The Company will not install new incandescent lights. The Company will not maintain existing incandescent lighting equipment.

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
175	0.211	--	9.337¢	--
250	0.297	--	7.427¢	--

(c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.

PLAN IX - CITY-OWNED EXPRESSWAY INSTALLATIONS (Cont'd)

(I-280/Craig Bridge and I-75/South Street)

SINGLE LIGHTS

HIGH PRESSURE SODIUM VAPOR STREET LIGHTING RATE SCHEDULE:

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
100	0.120	--	14.977¢	--

**STREET LIGHTING SERVICE "SL-1"**

PLAN X – NAVIGATIONAL/UNDERPASS LIGHTING

SINGLE LIGHTS

INCANDESCENT STREET LIGHTING RATE SCHEDULE (a):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Nominal Lumens</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
1,000 (Navigational)	0.068	--	--	16.882¢
150	0.158	--	--	7.942¢
200	0.210	--	--	6.499¢

- (a) The Company will not install new incandescent lights. The Company will not maintain existing incandescent lighting equipment.

PLAN X – NAVIGATIONAL/UNDERPASS LIGHTING (Cont'd)

SINGLE LIGHTS

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
100	0.138	--	--	10.423¢
100 (24 Hours)	0.284	--	--	3.132¢
175	0.211	--	--	5.958¢
250	0.297	--	--	8.292¢
250 (24 Hours)	0.611	--	--	2.283¢
400 (Navigational)	0.466	--	--	4.816¢

- (c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.

**STREET LIGHTING SERVICE "SL-1"**

PLAN X – NAVIGATIONAL/UNDERPASS LIGHTING (Cont'd)

SINGLE LIGHTS (Cont'd)

HIGH PRESSURE SODIUM VAPOR STREET LIGHTING RATE SCHEDULE:

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
150	0.185	--	--	14.677¢

PLAN XI - SPECIAL INSTALLATIONS

SINGLE LIGHTS

MERCURY VAPOR STREET LIGHTING RATE SCHEDULE (c):

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
175 (Post Top)	0.208	--	--	5.831¢
175	0.211	--	--	5.756¢
250	0.297	--	--	4.638¢
400	0.466	--	--	3.559¢

- (c) The Company will maintain and install new mercury lighting equipment where possible until December 31, 1995. The Company will maintain existing mercury lighting equipment when possible.

**STREET LIGHTING SERVICE "SL-1"**

PLAN XI - SPECIAL INSTALLATIONS (Cont'd)

SINGLE LIGHTS (Cont'd)

HIGH PRESSURE SODIUM STREET LIGHTING RATE SCHEDULE:

		<u>Distribution Charges in ¢ per kWh</u>		
		<u>Monthly Base Rates</u>		
<u>Rating in Watts</u>	<u>Kilowatts</u>	<u>Overhead</u>		<u>Underground</u>
		<u>Wood Pole</u>	<u>Steel Pole</u>	
100 (Post Top)	0.134	--	--	9.896¢
100 (Post Top Gothic)	0.134	--	--	9.896¢
100	0.120	--	--	11.048¢
150	0.193	--	--	7.494¢
250	0.310	--	--	5.353¢
400	0.465	--	--	4.141¢

For each lamp type listed above, the following charges apply:

**Generation Charge:**

Energy Charge:

For all kWh, per kWh

1.157¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier.

Energy Credit:

For all kWh, per kWh

1.131¢



---

**STREET LIGHTING SERVICE "SL-1"**

2. BURNING HOURS:

All lamps shall be lighted on each and every day at approximately thirty (30) minutes after sundown and shall burn continuously thereafter until approximately thirty (30) minutes before sunrise, either as observed in the vicinity of latitude forty-one (41) degrees, or photoelectric cells which shall turn on when the North Sky illumination has intensity of approximately one (1) footcandle and burning shall continue until the North Sky illumination reaches an intensity of approximately two (2) footcandles. The average burning hours for each month are:

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
437	368	365	311	285	256	275	306	335	396	416	451	4,201

3. IN-SERVICE DATES:

All street lighting equipment which is placed in service or removed by the 15th day of the month shall be charged by the Company and paid for by the Customer as if the equipment had been in service or removed on the 1st day of the subject month. All street lighting equipment which is placed in service or removed subsequent to the 15th of the month shall be charged by the Company and paid for by the Customer as if the equipment had been placed in service or removed on the 1st day of the subsequent month.

4. APPLICABLE RIDERS:

The rates and charges specified in Section 1, above, shall be modified in accordance with the provisions of the following applicable riders:

Universal Service Rider	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 10	Sheet No. 91

The monthly kilowatthours to which the above riders are applied shall be the product of the kilowatts for each lamp, as shown in Section 1, times the average burning hours for each month, as shown in Section 2.

5. TERMS OF PAYMENT:

Payment of the monthly billing for lighting equipment in service shall be made by the Customer on or before the 10th of the month next following the month in which service has been rendered. If there is an unpaid balance thirty (30) days following the billing date, interest shall accrue at the rate of one and one-half percent (1-1/2%) per month on the outstanding balance.

**STREET LIGHTING SERVICE "SL-1"**

6. RESPONSIBILITIES FOR OWNERSHIP, MAINTENANCE AND REPLACEMENT:\*

Monthly Rates:

Components	Plan I	Plan II	Plan III	Plan IV	Plan V	Plan VI	Plan VII	Plan VIII	Plan IX	Plan X	Plan XI
Controlled Energy	CCC	CCC	CCC	CCC	CCC	CCC	CCC	CCC	CCC	CCC	CCC
Lamp & Glassware	CCC	CCC	CCC	CCC	MCC	MCC	MCC	CCC	CCC	CCC	DDD
Luminaire & Ballast	CCC	CCC	CCC	CCC	MCC	MCC	MCC	CCC	CCC	CCC	DDD
Bracket	CCC	CCC	CCC	CCC	MCC	MCC	MCC	MCC	MCC	NA	DDD
Pole	CCC	MCC	MMC	CCC	MMC	MMC	MMC	MMC	MMC	NA	DDD
Pole Foundation	CCC	CCC	MMM	MMM	MMM	MMM	MMM	CCC	CCC	NA	DDD
Conduit	CCC	CCC	CCC	CCC	MMM	MMM	MMM	MMM	MMM	MMM	DDD
Cable	CCC	CCC	CCC	CCC	MMM	MMM	MMM	CCC	CCC	CCC	DDD
Transformer & Controls	CCC	CCC	CCC	CCC	CCC	MMM	CCC	CCC	CCC	MMM	DDD
Wiring	CCC	CCC	CCC	CCC	CCC	CCC	CCC	CCC	CCC	MMM	DDD
Connections (a)	NA	NA	NA	NA	NA	NA	CCC	CCC	NA	NA	NA
Primary Supply (b)	NA	NA	NA	NA	NA	CCC	NA	NA	NA	NA	NA
Signal Mast Arm	NA	MMM	MMM	MMM	NA	NA	NA	NA	NA	NA	NA
Traffic Signal	NA	MMM	MMM	MMM	NA	NA	NA	NA	NA	NA	NA

- CCC Component owned, maintained and replaced by Company.
- DDD Capital contribution made by customer with component owned, maintained and replaced by Company.
- MCC Component owned by municipality but maintained and replaced by Company.
- MMC Component owned and replaced by municipality but maintained by Company. Upon request, the Company will replace the component and the municipality will pay the Company all charges associated with such replacement.
- MMM Component owned, maintained and replaced by municipality. Upon request, the Company will repair or replace the component and the municipality will pay the Company all charges associated with such repair or replacement.
- NA Not applicable.
- (a) Connections to the Company's adjoining street lighting system.
- (b) Primary voltage supply to customer owned transformer.

\*To the extent replacement of a particular lighting equipment is no longer being carried out, the Company will convert existing lighting equipment to its appropriate illumination equivalent being offered under that plan at that time.

---

**STREET LIGHTING SERVICE "SL-1"**

SPECIAL RULES:

1. COMPANY RESPONSIBILITIES:

a. In locating lighting equipment using normal Company practices and equipment, the Company will install, maintain and replace the various components of the street lighting system in accordance with the standard responsibility plans outlined in this tariff schedule as selected by the Customer.

b. The Company shall submit plans for installation and construction of said equipment to the Customer's Director of Public Utilities or his authorized representative for approval. The Company will plan to install street lighting equipment in accordance with the Illuminating Engineers Society (I.E.S.) Standards. To the extent the Customer directs or causes the Company to install such lighting equipment in variance to the I.E.S. Standards, the Customer agrees to release, indemnify and hold harmless the Company, its representatives, successors and assigns from all claims for damages or other actions that the Customer may have or acquire, and will indemnify and hold harmless the Company from all claims or actions that any third party may have or acquire, against the Company arising directly or indirectly from the variance. The Company will endeavor to advise the Customer by written notice, in advance of the installation, where the Customer's Director causes the Company to install such lighting equipment in variance with the I.E.S. Standards.

c. For Company owned installations, the Company will install the lighting equipment on an existing pole or, where necessary, will furnish one pole for mounting the lighting equipment and one section of secondary wire.

d. Additional lighting equipment, not provided for herein, installed by the Company at the request of the Customer, shall be and remain the property of the Company and shall be paid for by the Customer on the basis of estimates of cost prepared by the Company. Extensions of existing distribution facilities which are required only to serve a street lighting system shall be paid for by the Customer. The Company may remove such additional lighting equipment upon termination of the lighting service provided for herein.

e. All lamps will be operated by photoelectric control or by time clocks, with hours of operation from dusk to dawn, approximately 4,201 hours per annum. The levels of illumination provided shall meet or exceed reasonably accepted standards, based on sound engineering practices.

f. The Company will keep in repair and maintain all of its lighting equipment utilizing good utility practices. All service and necessary maintenance will be performed only during the regular working hours of the Company. Except under unusual circumstances, the Company will restore lights to service and/or ground faults will be investigated within 72 hours of receiving a report of an outage.

g. All equipment and facilities furnished by the Company to provide the lighting service authorized by this tariff schedule shall remain the property of the Company and may be removed upon termination of said lighting service.

---

**STREET LIGHTING SERVICE "SL-1"**

SPECIAL RULES (Cont'd):

h. The Company shall and will hold the Customer served under the rate harmless from any and all damages, judgments and decrees which it may suffer or be subject to, arising out of the sole negligence of the Company in the erection, use or maintenance of the poles, apparatus, lamps, wires, fixtures and equipment used in connection with the lighting system.

i. If a job has not been completed within forty-five days from the date construction was authorized by the Customer, the Company will notify the Customer as to why the job has been delayed. However, the Company is not required to indicate as to when the project will be completed.

2. CUSTOMER RESPONSIBILITIES:

- a. The Customer shall furnish, install and maintain the various components of the street lighting system in accordance with the standard responsibility plans outlined in this tariff schedule as selected by the Customer.
- b. The Customer shall reimburse the Company for any work performed by the Company which normally is part of the Customer's responsibilities under the plan selected.
- c. The Customer shall have the right to affix street, traffic, regional transit authority, combination, safety and warning signs on any street lighting equipment installed under this tariff schedule as long as said sign is erected and maintained in a proper and safe manner so as not to interfere in any way with the use of any street lighting equipment, appurtenances and equipment of the Company. The Customer shall agree to indemnify and hold harmless the Company or its successors and assigns of and from any and all expense and damages resulting to anyone caused by the negligent installation or maintenance of said street sign. The Customer shall not attach any signs, devices, posters, banners, handbills or placards of any description, other than the aforesaid traffic, safety and warning signs, to any street lighting equipment installed under this tariff schedule without the express written consent of the Company.

---

**STREET LIGHTING SERVICE "SL-1"**

3. CHANGES IN NUMBER, SIZE, TYPE, PLAN OR LOCATION:

- a. All such requests shall be made in writing by the Customer's authorized representative.
- b. For street lighting plans involving Company maintenance and replacement, the Company shall not be required to assume such obligations where any part of the Customer's system does not meet the Company's minimum installation, equipment and/or operating specifications and standards.
- c. Customer requests for the following work shall be subject to onetime nonrefundable charges:

<u>Type of Service</u>	<u>Charge</u>
(1) For each replacement of an existing light with one of a smaller size, as expressed in watts, at the same location****	\$ 20.00 per light
(2) For installing a shield on a luminaire	\$ 25.00 per light
(3) For each removal or relocation of a luminaire and bracket	\$ 40.00 per light
(4) For each installation of four or less lights requiring a transformer which serves no other electrical load	\$150.00 per installation
(5) For each relocation of a luminaire and bracket which requires relocation of the pole	Actual cost of relocation including associated pole, wires and appurtenances

\*\*\*\*There is no charge for the conversion of a mercury vapor light to a high pressure sodium vapor light.

- d. During any calendar year, the Customer shall have the right to order a one-for-one conversion of a number of mercury lights to their high-pressure sodium vapor illumination equivalent at the rates quoted in Section 1 under Monthly Rates, as long as the number does not exceed 10% of the total number of lights of that type in service at the beginning of the calendar year, and as long as the conversion does not require changes in the supporting poles or brackets or in the electrical supply circuit. If the Customer should desire to make conversions in excess of the 10% limitation as defined above or if said conversion requires changes in the supporting poles, brackets or electric supply circuit, the Customer shall notify the Company prior to July 1 of the prior year so that the project can be included in construction and budget planning, and the Customer shall pay to the Company a one-time contribution in aid of construction equivalent to the unamortized investment in the units to be retired.

---

**STREET LIGHTING SERVICE "SL-1"**

e. All such charges shall be due and payable by the Customer in a lump sum on or before the 10th of the month next following the notification by the Company that the project has been completed.

f. All lighting equipment which is permanently disconnected or removed shall be charged for by the Company and paid for by the Customer as if the equipment had been disconnected or removed on the 1st day of the subsequent month for such disconnection or removal.

4. **FORCE MAJEURE:**

In addition to the provisions contained in Section 17 of the Company's General Service Rules and Regulations, the Company shall not be required to furnish lighting service, or otherwise perform as contemplated under this tariff, if prevented from doing so at any time by state, federal or local governmental authorities, or other public authority, or by acts of violence, strikes, invasions, acts of public enemy, acts of God or other causes beyond the control of the Company.

5. **TERMINATION FOR NONPAYMENT:**

If the Customer fails to pay for street lighting service within ninety (90) days after the billing date, the Company may discontinue all or part of the Customer's street lighting service being provided under this tariff until all monies due to the Company have been paid.

### **Experimental Day Ahead Real Time Pricing Program**

#### **Availability:**

Available to Full Service customers served under the Large General Service, Medium General Service and Small General Service Schedules, including special contracts. The number of customers permitted on this experimental rate will be limited to no more than a total of twenty-two (22) firm power service and interruptible service customers whose billing maximum 30-minute demands exceed 30 kW. These customers will be selected by the Company and will be limited to 250 MW of demand. This experimental rate is available to customers served through one meter for each installation. Service under the RTP Program will be offered on an experimental basis through December 31, 2002, unless earlier terminated by the Company. Customers must enter into the written service agreement. A Full Service customer is one that receives all retail electric services from the Company.

#### **Program Description:**

The RTP program is an experimental program whose purpose is to test customer response to hourly price signals based on the Company's quoted price to supply electricity. The RTP Program is scheduled to be offered through December 31, 2002, unless earlier terminated by the Company, and is a voluntary program. Participation in the RTP Program offers customers the opportunity to manage their electric costs by either shifting load from higher price to lower price periods or by adding new load during lower price periods. Binding quotes will be sent to each customer on a prior business day basis (Hourly RTP). The program is designed to be bill neutral to each customer whose actual usage and usage pattern equals their historical usage through the use of a customer-specific Customer Baseline Load (CBL).

#### **Customer Baseline Load:**

The CBL shall be based on historic interval customer-specific load and usage data that represents the electricity consumption pattern and level of the customer's operation under the existing rate tariff/contract. The CBL is the basis for achieving bill neutrality on a customer-specific basis for customers billed under this tariff, and is to be mutually agreed upon by both the customer and the Company as representing the customer's usage pattern under the customer's existing rate tariff/contract (current non-RTP or special contract). For interruptible customers, the kilowatt-hours used in the CBL and bill neutrality calculation shall be reduced for the calendar months of June, July and August by 50% of the interruptible kWh, total kWh less firm load level, from the CBL period. Agreement on the CBL is a precondition for customer participation in the RTP Program. The CBL will not change during the contract term except where expressly provided in this tariff or the service agreement. The CBL may be adjusted at Toledo Edison's discretion in extreme cases such as when a customer's actual kilowatt-hour usage falls below 50 percent of the CBL for three consecutive billing periods or due to the cost of increased facilities.

---

**Experimental Day Ahead Real Time Pricing Program**

**RTP Billing:**

Customers participating in the RTP Program will be billed monthly based on the following calculation:

$$\text{RTP Bill} = \text{AC} + \text{EC} + \text{USR} + \text{EEF} + \text{PC}$$

Where:

AC	=	Access Charge
EC	=	Energy Charge
USR	=	Universal Service Rider
EEF	=	Temporary EEF Rider
PC	=	Program Charge

Except as provided for under the Interruptible Customer Obligation to Interrupt subsection below, RTP credits may be applied only in the billing period in which they occur. However, customer bills for electricity usage under the RTP Program in any billing month shall never be less than the sum of the applicable Program charge, Universal Service Rider and Temporary EEF Rider as defined in this rate, except to the extent necessary to correct a billing error from a prior bill. No RTP Credits may be carried forward or applied in a future billing period.

RTP Credit = curtailment below CBL

**Access Charge:**

The Access Charge is designed to achieve bill neutrality with the customer's existing rate tariff/contract if no change in electricity usage pattern occurs. The Access Charge is calculated at the end of the billing period and changes each billing period to maintain bill neutrality for a customer's CBL.

The Access Charge will be calculated as follows:

$$\text{AC} = (\text{Standard Bill @ CBL}) - \left\{ \sum_{t=1}^n (\text{CBL}_t \times \text{RTP}_t) \right\}$$

Where:

AC	=	Access Charge
Standard Bill	=	Customer's bill for the specific month on the existing rate tariff/contract, using the CBL to establish the applicable billing determinants
$\text{CBL}_t$	=	Customer Baseline Load at hour $t$
$\text{RTP}_t$	=	The applicable Hourly RTP for hour $t$
$n$	=	Total number of hours in the billing period
$t$	=	An hour in the billing period

The CBL shall be adjusted to reflect applicable metering adjustments under the customer's existing rate tariff/contract. The Universal Service Rider and Temporary EEF Rider shall be excluded from the calculation of the Access Charge.



---

**Experimental Day Ahead Real Time Pricing Program**

**Energy Charge:**

The Energy Charge is applied to energy usage based on the hourly energy price quotes provided the previous day, as defined below in the section entitled "Hourly RTP," by Company.

The Energy Charge will be calculated as follows:

$$EC = \sum_{t=1}^n (\text{kWh}_t \times \text{RTP}_t)$$

Where:

- kWh<sub>t</sub> = Customer's actual kilowatt-hour usage in hour t
- RTP<sub>t</sub> = The applicable Hourly RTP at hour t
- t = An hour in the billing period
- n = Total number of hours in the billing period

The actual kWh<sub>t</sub> shall be adjusted to reflect applicable metering adjustments under the customer's existing rate tariff/contract.

**Hourly RTP:**

The Hourly RTP will be equal to:

$$\text{RTP}_t = (\text{MC}_t \times (1 + \text{LAF}) \times (1 + \text{OGRT})) + \text{Adder}$$

Where:

- LAF = Loss adjustment factor
  - 2.1% for transmission (138 kV) service voltage
  - 4.5% for subtransmission (23, 34.5, and 69 kV) service voltages
  - 6% for primary distribution service voltages
  - 9.3% for secondary voltages
- MC<sub>t</sub> = MGC<sub>t</sub> + MTC<sub>t</sub>
- MGC<sub>t</sub> = Estimated cost of generation capacity and energy in the wholesale market for hour t on a ¢/kilowatt-hour basis.
- \* MTC<sub>t</sub> = Hourly marginal transmission cost for hour t
- \*Adder =
  - 1.57¢/kWh for on-peak hours for transmission (138 kV) service voltage
  - 2.19¢/kWh for on-peak hours for subtransmission (23, 34.5, and 69 kV) service voltages
  - 2.82¢/kWh for on-peak hours for primary distribution service voltages
  - 3.34¢/kWh for on-peak hours for secondary distribution service voltages
  - 0.5¢/kWh for off-peak hours for all voltages except secondary distribution service voltages
  - 0.8¢/kWh for off-peak hours for secondary distribution service voltages
- OGRT = Ohio Gross Receipt Tax Adder
  - 4.987%
  - 1/ (1 - 4.75%)

---

**Experimental Day Ahead Real Time Pricing Program**

\*The marginal transmission cost will initially be set at zero. The Company reserves the right to include this cost in future marginal cost calculations. The Company also reserves the right to make adjustments to the Adder of between  $-0.8\text{¢/kWh}$  and  $+0.8\text{¢/kWh}$ . The Company will obtain Commission approval before including such costs or adjusting the Adder and will notify participating customers of its intent to seek such approval.

The Company will make available to the customer, by 1:00 p.m. each day, the twenty-four Hourly RTPs that will be charged the next day. The Company will make available to the customer weekend and Monday Hourly RTP by 1:00 p.m. on the last regular business day of the preceding week. The Company may send more than one-day-ahead Hourly RTP for holidays identified in the Company's tariffs. The Company may revise these prices by 1:00 p.m. the day before they become effective. Company will provide the Hourly RTP via the Internet.

The Company shall not be responsible for failure of the customer to receive and act upon the Hourly RTP. The customer is responsible for notifying the Company of any failure to receive the Hourly RTP by 3:00 p.m. the day before they become effective.

The customer is responsible for its access to the Internet. The customer will be responsible for providing a dedicated telephone line for metering purposes at the metering point.

**Interruptible RTP Customer Obligation to Interrupt:**

Interruptible RTP customers will not be required to interrupt for economic reasons as provided for in their existing rate tariff/contract. Customers are required to interrupt during emergency interruptions in accord with their existing rate tariff/contract. Failure to interrupt during emergencies as provided for in their existing tariff/contract will subject the customer to the applicable tariff/rider/contract penalties, and further participation in the RTP Program will be subject to the Company's approval.

During an emergency interruption, the CBL will be the contracted firm load as stated in the customer's existing rate tariff/contract. Emergency RTP credits will be given for curtailment of usage below the contracted firm load during emergency interruptions. No RTP credits may be carried forward or applied in a future billing period, except for any such amounts attributable to curtailment below the contracted firm load during the hours of an emergency interruption (Emergency RTP Credit).

Emergency RTP Credits = Curtailment below contracted firm load during an emergency interruption.

**Applicable Riders:**

The Rate and Charges specified above shall be modified in accordance with the provisions of the following applicable riders unless otherwise stated above. All kWh, adjusted to reflect required metering adjustments under this rate schedule.

Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

**Experimental Day Ahead Real Time Pricing Program**

**Program Charge:**

A charge of \$150.00 per billing period shall be added to customer's bill each month to cover the additional billing, administrative, and communication costs associated with the RTP Program. For secondary voltage customers less than 100 kW, the applicable program charge shall be \$75.00 per billing period.

**Terms and Conditions:**

Except as provided in this rate schedule, all terms, conditions, rates, and charges outlined in the customer's existing rate tariff/contract will continue to apply. Participation in the RTP Program will not affect the customer's obligations for electric service under the existing rate tariff/contract. Except as expressly provided in this rate schedule, participation in the RTP Program is mutually exclusive to any other retail program that may be offered by the Company. The primary term of service is through December 31, 2002, unless earlier terminated by the Company. However, a customer may elect to terminate participation in the RTP Program at the conclusion of any billing period with three business days prior written notice and return to billing under the existing rate tariff/contract. Terminating customers may not return to the RTP program during the experiment.

The supplying of and billing for service and all conditions applying thereto, are subject to the jurisdiction of the Public Utilities Commission of Ohio, and to Company's Standard Rules and Regulations, as filed with the Public Utilities Commission of Ohio.

## **Experimental Power Curtailment Program**

### **Availability:**

Available on a voluntary basis to Full Service Customers who receive electric service under tariffs acceptable to the Company or Special Contract Customers who take either firm or interruptible service that have been approved by the PUCO under R.C. 4905.31, and have the ability, when specified by the Company, to curtail a minimum of 500 kW of load from a threshold limit pre-established from hourly interval history. Curtailments will be permitted in increments of 100 kW in excess of the minimum curtailment thresholds. Participation is limited to those Customers that have a time interval meter installed by the Company and have interval metered history available from which a historical load profile (as defined below) can be established. The Customer will be responsible for providing a dedicated telephone line at the metering point to support remote metering capabilities. A Full Service customer is one that receives all retail electric services from the Company.

Customers who own generation that can be used to displace load on the Company System may also participate, as provided herein.

### **Service:**

Service under the Experimental Power Curtailment Program will be offered on an experimental basis through May 31, 2003, unless terminated earlier by the Company. Customers must enter into a written service agreement to be eligible and must be and remain current with their electric bill payments. This experimental Program will be limited to no more than a total of one-hundred 100 Customers selected by the Company and no more than 200 MW of demand, whichever is realized first.

### **Program Description:**

The Experimental Power Curtailment Program is an experimental Program whose purpose is 1) to test Customer interest and responsiveness to the opportunity to receive rate credits in exchange for load curtailments, and 2) to provide retail service Customers with the opportunity to gain experience with market supply and demand price signals. This Program is scheduled to be offered through May 31, 2003, and is a voluntary Program. Participation in this Program also offers Customers the opportunity to help lower their electric costs by curtailing their load during higher price periods and/or shifting their load from higher price to lower price periods. This Program is designed to be bill neutral for each participating Customer who does not actively participate in any of the available Program opportunities. The Company will operate the Experimental Power Curtailment Program in conjunction with the Automated Power Exchange Inc. at its APX Ohio-Hub Market. This Program does not permit a Customer to offer to buy or sell electricity, or to buy or sell electricity. No provision of this tariff may be construed to the contrary.

### **Program Participation:**

Opportunities to participate in the Experimental Power Curtailment Program may be activated by the Company, at its sole discretion. When the Program is open, a Customer may submit an offer to curtail a portion of its load to or below an established Customer-specific threshold in exchange for the opportunity to earn rate credits.

The hourly Customer Base Load (CBL) will be developed by the Company based on the individual Customer's historical time interval data. The Company reserves the right to periodically make adjustments to Customer specific CBL's, e.g. in response to a change in Customer's load profile. The Customer must agree to the CBL, which reflects the level of each Customer's load from which the Company will accept load curtailments under this Program. The minimum allowable curtailment will be 500 kW below the Customer specific CBL. Customers are obligated to notify, on a prospective basis if possible, the Experimental Power Curtailment Program Administrator of any substantive changes in their electric load patterns.

Customers will be provided access to an Internet site that will be password protected to allow participation in the Program. When the Company chooses to activate a Program opportunity, Customers will be notified that the Internet site is open for Program participation to begin. Customers will be able to access the Internet site to view the APX Ohio-Hub Market power exchange prices and the open buy/sell offers. By responding to this Internet site, each Customer may choose to offer to curtail its load on an hourly basis or day-ahead basis, while the Program is designated open by the Company, in exchange for earning rate credits. The minimum time frame a Customer may offer to curtail is four successive one-hour periods (hourly market).

There exist two pricing options from which a Customer may select when offering to curtail and earn rate credits from the Company: Market or Limit. Market refers to an offer to the Company to curtail at the level of an existing bid on the posted exchange market. Limit refers to a limit offer to the Company to curtail that indicates the minimum wholesale market  $\text{¢/kWh}$  price at which the Customer is willing to curtail during a given hour.

Once the Customer has selected the pricing option (Market or Limit) to utilize, a pricing designation and Load Schedule are compiled and submitted on the Internet site by the Customer indicating the amount of load the Customer is willing to curtail in each given hour of the designated Program opportunity period. Up to the point that an offer to curtail is accepted by the Company, the Customer has the option of modifying the proposed offer or withdrawing it. However, once the pending offer is accepted by the Company, the Customer is committed to the Company to curtail the amount of contracted load for the contracted time period.

When a Customer's Market or Limit offer is contracted (as displayed on the Customer Internet site), the Customer will receive a Company rate credit equivalent to 70% of the contracted exchange market price.

A Customer may elect to curtail load in either the hourly market or the day-ahead market. A Customer may not participate in both markets during any given hour with the same load. The hourly loads being submitted to be curtailed may vary within a minimum of 4 hours and maximum of 168 hours, however the load entered must be a minimum of 500 kW each hour. Curtailment offers may only be partially accepted by the Company, such as when only hours 1 through 4 of offered hours 1 through 8 are actually contracted, or when only 2,000 kW of 4,000 kW offered are actually contracted. A customer may alternatively designate a curtailment offer of at least four successive one-hour periods which may be only fully accepted by the Company. Rate credits will only be provided to Participating customers based upon the price and amount of power actually contracted in the APX market in response to a customer's curtailment.

Load that the Customer offers to curtail in the day-ahead market must be scheduled by the Customer for 16 consecutive on-peak hours (7:00am – 11:00pm) for the following day. One price will be provided for all 16 hours.

The Company has no obligation to fulfill or accept Customer offers to curtail, or to provide rate credits if no offer to curtail is contracted.

The rate credits available to Customers will be based on non firm wholesale commodity products available from the Automated Power Exchange, Inc. at its APX Ohio-Hub Market. The Company reserves the right to further limit the commodity products available to determine rate credits for Interruptible Customers.

#### **Additional Interruptible Load Conditions**

Customers will be permitted to participate in the Program using interruptible load, except during economic or emergency interruptions. Participation in the Program and service under this tariff do not relieve a Customer from fulfilling its obligations under an existing special contract or tariff.

If economic or emergency interruptions are initiated at the sole discretion of the Company, rate credits will not be applied during the entire period of the interruptions. Rate credits will be applied for hours contracted for curtailment that precede an economic or emergency interruption and for hours contracted for curtailment that are subsequent to an economic or emergency interruption as if no interruptions were initiated.

If an interruptible customer has established a Curtailment Avoidance Opportunity (see below) for all or part of a curtailed load at 100% market price, and an interruption is initiated during all or part of those hours, all Customer rate credits for curtailed power will not be applied.

During Economic or Emergency interruptions, the Customer will be required to comply with the requirements of their respective tariffs or contract.

#### **Curtailment Avoidance Opportunities:**

After having a curtailment offer contracted, a Customer will have the opportunity to avoid such curtailments without penalty up to 2 hours before the actual time the curtailment was scheduled to begin. A Customer may accomplish this by employing either of two pricing options: Market or Limit. The Market option refers to an offer by the Customer to avoid a contracted curtailment by paying a fee equivalent to 100% of an existing offer to sell power on the posted exchange market. The Limit option refers to an offer by the Customer to avoid a contracted curtailment by paying a fee equivalent to 100% of a maximum wholesale market  $\text{¢/kWh}$  price during the given hours.

Up to the point that an offer to avoid a contracted curtailment is accepted by the Company, the Customer has the option of modifying the proposed offer or withdrawing it. However, once the pending contract avoidance offer is accepted by the Company, the Customer is no longer committed to the Company to curtail the amount of previously contracted load to the extent the new curtailment avoidance contract offsets the previous contracted curtailment. If a Customer elects not to execute a curtailment avoidance opportunity, or if all or a portion of a contract avoidance offer is not contracted, the Customer must curtail to the net remaining contracted curtailment level or load curtailment compliance charges, as described below, will be imposed.

**Load Curtailment Billing:**

A Customer's monthly bill will reflect total metered usage plus any contracted curtailment usage calculated under tariffs acceptable to the Company or Special Contract Customers who take either firm or interruptible service, whichever is applicable, less contracted curtailment credits. For purposes of billing under the respective tariff or contract, the billing demand will be set in accord with applicable tariff or contract. The load curtailed under this tariff will not be added to the monthly billing demand. The bill will also reflect all rate credits earned from contracted curtailments, all curtailment avoidance fees, and all load curtailment compliance charges as described below.

Charges and rate credits resulting from participation in a Program opportunity may be reflected in a future month's bill.

**Generation Participation:**

Customers that own back-up generation may participate in the Program. The Customer, at its cost, shall install and maintain the appropriate control and protective equipment, as required by the Company, to ensure that such generating equipment does not threaten the Company's system or personnel. All fuel consumed by the generation equipment is the sole responsibility of, and paid for by, the Customer. Maintenance and care of the generating equipment will be the sole responsibility of the Customer to ensure its operation when the Customer contracts for participation in the Program. Failure of the Customer's generator does not relieve the Customer from having to meet the contracted curtailment obligation on the Company's system once the Customer's offer is contracted.

**Load Curtailment Compliance Charges:**

At the end of the monthly billing period, the Customer's hourly actual measured load will be compared to its CBL less contracted curtailments by hour ("Scheduled Load"). During each hour that the Customer's actual measured load is above the Scheduled Load, a Load Curtailment Compliance Charge will be billed to the Customer. The Load Curtailment Compliance charge will be equal to the greater of 110% of the highest cost of power purchased by the Company during such hour or 110% of the APX hourly closing market price (APX Ohio-Hub Market), whichever is greater. Such charges will be imposed in increments of 1 kW on a per kW basis.

**Scheduled & Non-Scheduled Outages:**

Customers are not permitted to offer load curtailments for rate credits under this Program during periods of either scheduled or unscheduled Customer outages that are not taken in response to this Program (e.g. retooling, staff vacation, labor strike, plant shutdown, damaged plant, force majeure, etc.). Customers participating in this Program are obligated to notify the Experimental Power Curtailment Program Administrator prior to or as soon as possible after experiencing such an outage. No rate credit shall be provided should the Company determine that a Customer's curtailment was due to circumstances other than a response to this Program.

**Terms and Conditions:**

Except as provided in this rate schedule, all terms, conditions, rates, and charges outlined in the Customer's existing rate tariff or special contract will continue to apply. Participation in the Experimental Power Curtailment Program will not affect the Customer's obligations for electric service under the existing rate tariff/contract. Except as expressly provided in this rate schedule, participation in the Experimental Power Curtailment Program is mutually exclusive to any other retail program the Company offers.

Service hereunder provided will be furnished in accordance with a written contract for a term of not less than 1 year. Such contract will contain the CBL amount which will be derived by the Company from a historical load profile to determine the amount of load from which the Customer may curtail to participate in this Program.

The Company reserves the right to remove Customers from further participation in this experimental tariff should they be suspected of violating any tariff provision or attempting to utilize this Program in a manner inconsistent with the Company's intent for the Experimental Power Curtailment Program.

Further, in consideration of this tariff, the Customer agrees that any failure to meet normal payment deadlines for the Company's electric service provided, may result in the withholding of the rate credit until the past due amount for electric service is paid in full, in addition to other remedies available to the Company.

The supplying and billing for service and all conditions applying thereto, are subject to the jurisdiction of the Public Utilities Commission of Ohio, and to the Company's Standard Rules and Regulations currently in effect and as amended, as filed with the Public Utilities Commission of Ohio.

**Taxes:**

All additional Federal or State taxes arising under this tariff for all load curtailed or any avoidance of curtailments under this Program shall be borne by the Customer.



**MISCELLANEOUS CHARGES**

**BAD CHECK CHARGE:**

(1) When a check received from a customer in payment for service rendered is not honored by the bank due to insufficient funds, the customer will be charged \$10.00 to pay the additional cost incurred by the Company for processing the check.

**RECONNECTION CHARGE:**

(2) When any service has been disconnected for failure to comply with the terms and conditions of the rates or rules and regulations of the Company or has been disconnected at the Customer's request, a reconnection charge of \$15.00 will be required.

(3) If payment is made to a Company employee whose original purpose was to disconnect the service, then a charge of \$6.70 shall be assessed on the Customer's next billing but not more than once per billing period. Service which otherwise would have been disconnected shall remain intact.

**INTEREST RATE PAID ON DEPOSITS:**

(4) The Company is currently paying five percent (5%) interest on cash deposits required from customers as provided in Section 4933.17 of the Ohio Revised Code and Rule 4901:1-17-05 of the Administrative Code, as described in Section 6 of the Company's General Service Rules and Regulations entitled, Credit Requirements.

**NON-SCHEDULED CONNECTION CHARGE:**

(5) When a customer desires service on the same day on which the application for service is made, the customer will be charged \$15.00 for a non-scheduled connection.

**INVESTIGATION FEE:**

(6) In the event the Customer or Consumer commits or is the beneficiary of any fraudulent practice in obtaining electric service from the Company, or falsifies any service application, the Company will assess the Customer a minimum fee of \$111.35 for the Company's investigation. The investigation fee will also be assessed where any connection or device is found on the service entrance equipment or premises of the Customer or Consumer which prevents the meter from accurately registering total consumption used or to be used, or where the service entrance equipment or other property used to supply electric service has been altered to avoid accurate metering or has been damaged.

The Company will also assess the Customer an estimated or actual bill representing the electric service fraudulently or falsely obtained and the actual costs to repair or replace any damaged or missing service entrance equipment or other property used to supply electric service.

**MISCELLANEOUS CHARGES**

**SERVICE RESTORATION CHARGE:**

- (7) When the Company makes a field call to the customer's location to replace fuses or reset circuit breakers owned by the customer, the Company will assess a fee of \$34.65 to pay the costs associated with providing this service. This fee will be assessed only when there is more than one request for such service in a calendar year. No fee will be assessed when an outage has occurred in a neighborhood in the previous twenty-four (24) hours.

**METER TEST CHARGE:**

- (8) When the Company makes a field call to the customer's location to test the meter at the request of the customer, the Company will assess a fee of \$46.25 for each meter to pay the costs associated with providing this service provided the meter test indicates that the meter is operating accurately. This fee will be assessed only when the customer makes more than one request in a calendar year.

## **Interconnection Tariff**

### **Applicability**

Applicable in the entire territory where tariff P.U.C.O No. 8 applies, this tariff applies to those situations where an Interconnection Service Customer seeks to physically connect such customer's electric generation facility to, and may operate it in parallel with, the Company's Distribution system. An Interconnection Service Customer who has a facility that does not qualify for Simplified Interconnection pursuant to the Technical Requirements incorporated herein by reference may negotiate a separate Interconnection Agreement with the Company and the terms and conditions of this tariff apply to such Interconnection Service Customers to the extent that the negotiated Interconnection Agreement does not conflict with this tariff.

### **Purpose**

The purpose of this tariff is to implement Ohio Revised Code Section 4928.11, which calls for uniform interconnection standards that are not unduly burdensome or expensive and also ensure safety and reliability, to the extent governing authority is not preempted by Federal law. This Tariff states the terms and conditions that govern the Interconnection and Parallel Operation of an Interconnection Service Customer's facility with the Company's Distribution System.

### **Procedures**

Any Interconnection Service Customer seeking to physically connect facilities to the Company's Distribution System, which facilities may be used in Parallel Operation with the Company's Distribution System, shall file an Interconnection Application (Exhibit A) and sign an Interconnection Agreement with the Company for Interconnection. For facilities for which the referenced Technical Requirements for Interconnection and Parallel Operation of Distributed Generation are applicable, the Interconnection Service Customer and Company shall execute a Simplified Interconnection Agreement (Exhibit B). For all other facilities, the Customer and the Company shall execute an Interconnection Agreement which may be different from Exhibit B but which shall conform with the provisions of this tariff, to the extent applicable.

To the extent possible, Interconnection to the Company's Distribution System shall take place within the following time frames

1. Where no construction is required by the Company and the facility qualifies for Simplified Interconnection pursuant to the Screening process contained in the Technical Requirements, Interconnection shall be permitted within four weeks of the Company's receipt of a completed Interconnection Application (Exhibit A) in compliance with the terms and conditions of this tariff. Prior to actual Interconnection the Interconnection Service Customer must execute the Interconnection Agreement.
2. Where construction or system upgrades of the Company's Distribution System are required, the Company shall provide the Interconnection Service Customer in a timely fashion an estimate of the schedule and the Interconnection Service Customer's cost for the construction or upgrades. If the Interconnection Service Customer desires to proceed with the construction or upgrades, the Interconnection Service Customer and the Company shall enter into a contract. The contract shall contain a construction schedule listing target commencement and completion dates, and an estimate of the Interconnection Service Customer's costs for construction or upgrades. Assuming the Interconnection Service Customer is ready, the Interconnection Service shall take place no later than two weeks following the completion of such construction or upgrades. The Company shall employ best reasonable efforts to complete such system construction or upgrades in the shortest time reasonably practical.

### **Interconnection Tariff**

3. All Interconnection Applications shall be processed by the Company in a non-discriminatory manner. The Company shall promptly provide each Interconnection Service Customer a written Notice of the company's receipt of the Application. The Company will endeavor to place such notice in the U.S. Mail within 3 business days after the Application has been received by the Company's personnel designated on the application form. The Company shall provide each Interconnection Service Customer with a copy of the screening process and a target date for processing the Application. If the Application is viewed as incomplete, the Company must provide a written Notice within 10 days of receipt of the Application by the Company's personnel designated on the application form that the Application is not complete together with a description of the information needed to complete the Application and a statement that processing of the Application cannot begin until the information is received. The Company's target date shall permit Interconnection in a timely manner pursuant to the requirements of O.A.C. 4901:1-22-04(C). Interconnection Applications will be processed in the order that they are received. It is recognized that certain Interconnection Applications may require minor modifications while they are being reviewed by the Company. Such minor modifications to a pending application shall not require that it be considered incomplete and treated as a new or separate application. Minor modifications would not include at least the following: changes in facility size or location; any change requiring a new impact study; any other substantive change.
4. If the Company determines that it cannot connect the Interconnection Service Customer's facility within the time frames required by O.A.C. § 4901:1-22-04(C), the Company will notify the Interconnection Service Customer in writing of that fact as soon as possible. The notification will identify the reason or reasons Interconnection Service could not be performed within the time frames stated in O.A.C. § 4901:1-22-04(C), and provide an estimated date for interconnection service. This section shall not limit the rights of an Interconnection Service Customer for relief under Ohio Revised Code Chapter 4905

#### **Technical Requirements for Interconnection and Parallel Operation of facilities owned or operated by an Interconnection Service Customer**

The Company shall maintain a copy of the Technical Requirements for Interconnection at its place of business such that the Technical Requirements are readily available to the public. The Company shall provide the Commission Staff with a copy of the Technical Requirements. Standards adopted by IEEE shall supersede the applicable provisions of the Company's Technical Requirements effective the date that IEEE adopts such standards. However, any Interconnection made or initiated prior to the adoption of any national standard promulgated by IEEE shall be grandfathered. Regarding any IEEE minimum standard, or any guideline that the IEEE may promulgate, the Company may amend the Technical Requirements to the minimum extent required to address unique local conditions, and shall provide such amendments to the Staff and make such amendments available to the Interconnection Service Customers. All Technical Requirements for Interconnection, including superseding standards adopted by IEEE, are incorporated herein by reference.

#### **Metering**

Any metering installation, testing, or recalibration required by the installation of the Interconnection Service Customer's distributed generation equipment shall be provided consistent with the Electric Service and Safety Standards pursuant to Ohio Revised Code Chapter 4928, and specifically O.A.C. § 4901:1-10-05 (Metering) and, as applicable, § 4901:1-10-28 ( C ) (Net Metering).

## **Interconnection Tariff**

### **Liability Insurance**

Prior to any Interconnection with the Company, the Interconnection Service Customer must provide the Company with proof of insurance or other suitable financial instrument sufficient to meet its construction, operating and liability responsibilities pursuant to this tariff. At no time shall the Company require that the Applicant negotiate any policy or renewal of any policy covering any liability through a particular insurance company, agent, solicitor, or broker.

### **System Impact and Facilities Studies**

For those Applications that do not qualify for the Simplified Interconnection Agreement pursuant to the Screening Process included in the Technical Requirements, the Company may require supplemental review, a service study, coordination study, facilities study or Company system impact study prior to Interconnection. In instances where such studies are required, the scope of such studies shall be based on the characteristics of the particular generation facility to be interconnected and the Company's system at the specific proposed location. By agreement between the Company and the Interconnection Service Customer, studies related to Interconnection of the generation facility may be conducted by a qualified third party. The cost of an impact facilities study performed by the Company shall be included in the costs set forth in the Interconnection Fees section of this tariff, set forth below. The Company shall provide the Applicant for Interconnection service with a target date for completion of any required system impact or facilities study. Any such study conducted by the Company shall be shared with the Interconnection Service Customer.

### **Interconnection Fees**

The Company shall not charge any fees for Interconnection other than those authorized by this tariff.

The Company shall charge each Interconnection Service Customer that applies for Interconnection service a nonrefundable Interconnection Application fee of \$250, payable at the time the Interconnection Application is submitted.

Each Interconnection Service Customer shall deposit with the Company an amount equal to \$5 per kW of generation referenced in the Application for all generation units greater than 50kW. All units 50kW or less shall be assessed the nonrefundable Application Fee only as its deposit. The Company shall apply the deposit to the Company's actual costs associated with the Interconnection. If such costs are greater than the amount of the deposit, the customer shall pay such additional costs to the Company. If such costs are less than the amount of the deposit the Company shall refund the balance of the deposit to the customer.

### **Additional Fees**

#### **Construction or Upgrade Fees**

If the Interconnection requires construction or an upgrade of the Company's system which, save for the generation facility would not be required, the Company will assess the Interconnection Service Customer the actual cost including applicable taxes of such construction or upgrade. Payment terms for such construction or upgrade will be agreed to and specified in the construction contract. The Company and the Interconnection Service Customer may negotiate for alternatives in order to reduce any costs or taxes applicable thereto.

## **Interconnection Tariff**

### **Resolution of Disputes**

The Company or the Interconnection Service Customer who is a non-mercantile, non-residential customer may seek resolution of any disputes which may arise out of this tariff, including the Interconnection and the referenced Technical Requirements in accordance with the Commission's Rules for Alternative Dispute Resolution.

### **Definitions**

For the purpose of this Interconnection tariff, the following words shall have the meanings set forth:

- (1) **CERTIFIED TERRITORY** – This term shall have the same meaning as found in R.C. 4928.01(A)(3)
- (2) **COMPANY** — The Toledo Edison Company
- (3) **FACILITY** — An electrical generating installation consisting of one or more generation units as defined in the Interconnection Application for Service.
- (4) **INTERCONNECTION** — The physical connection of the Interconnection Service Customer's Facilities to the Company's Distribution System for the purpose of electrical power service.
- (5) **INTERCONNECTION AGREEMENT** — The standard form of agreement between the Interconnection Service Customer and the Company (Exhibit B attached) or the negotiated agreement between the Interconnection Service Customer and the Company as referenced in the Procedures section above.
- (6) **INTERCONNECTION APPLICATION** — The standard form of application approved by the Commission (See Exhibit A).
- (7) **INTERCONNECTION SERVICE CUSTOMER** – This term shall have the same meaning as found in OAC §4901:1-22-02 (J).
- (8) **PARALLEL OPERATION** — This term shall have the same meaning as found in OAC §4901:1-22-02 (L).
- (9) **TECHNICAL REQUIREMENTS** – The Technical Requirements consist of the following: Part A contains the standardized Technical Requirements common to all Ohio Electric Distribution Utilities. Part A shall be amended as necessary to conform to adopted IEEE Standards. Part B contains the Screening Process applicable to all Interconnection Service Customer facilities. The Company shall provide upon request specific Technical Requirements necessary to fill in any gaps in Part A or for facilities that do not conform with the Part A Technical Requirements.

**EXHIBIT A**

**APPLICATION FOR INTERCONNECTION AND PARALLEL OPERATION WITH THE  
COMPANY'S DISTRIBUTION SYSTEM**

Return Completed Application to: FirstEnergy Corporation  
Attention: Planning and Protection Engineering  
Floor 11  
76 South Main Street  
Akron, Ohio 44308

Customer's Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Service Point Address: \_\_\_\_\_

Information Prepared and Submitted By: \_\_\_\_\_

(Name and Address) \_\_\_\_\_

The following information shall be supplied by the Customer or Customer's designated representative. All applicable items must be accurately completed in order that the Customer's generating facilities may be effectively evaluated for interconnection with the Company's Distribution System.

**GENERATOR**

Number of Units: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Type (Synchronous, Induction, or Inverter): \_\_\_\_\_

Fuel Source Type (Solar, Natural Gas, Wind, etc.): \_\_\_\_\_

Kilowatt Rating (95 F at location) \_\_\_\_\_

Kilovolt-Ampere Rating (95 F at location): \_\_\_\_\_

Power Factor: \_\_\_\_\_

Voltage Rating: \_\_\_\_\_

Ampere Rating: \_\_\_\_\_

Number of Phases: \_\_\_\_\_

Frequency: \_\_\_\_\_

Do you plan to export power:  Yes  No

If Yes, maximum amount expected: \_\_\_\_\_

**EXHIBIT A (Cont.)**

Expected Energizing and Start-up Date: \_\_\_\_\_

Normal Operation of Interconnection: (examples: provide power to meet base load, demand management, standby, back-up, other) (please describe) \_\_\_\_\_

Application Fee \$\_\_\_\_\_. Checks may be made payable to The Toledo Edison Company.

One-line diagram attached: \_\_\_\_\_ Yes

Have testing results been supplied to the Company documenting conformance with the Company's technical requirements: \_\_\_\_\_ Yes [Note: Requires a Yes for complete Application.]

Have all necessary government permits and approvals been obtained for the project prior to this application? \_\_\_\_\_ Yes/[Note: Requires a Yes for an Application to be considered complete.]

Have the generator Manufacturer machine characteristics been supplied to the Company? \_\_\_\_\_ Yes[Note: Requires a Yes for complete Application.]

Layout sketch showing lockable, "visible" disconnect device: \_\_\_\_\_ Yes

Application fee: \_\_\_\_\_ Yes \$ \_\_\_\_\_ Checks are payable to \_\_\_\_\_ at \_\_\_\_\_

DATE: \_\_\_\_\_

[CUSTOMER NAME]

\_\_\_\_\_  
(Signature)

By: \_\_\_\_\_

Title: \_\_\_\_\_



## EXHIBIT B

### SIMPLIFIED INTERCONNECTION AGREEMENT FOR INTERCONNECTION AND PARALLEL OPERATION WITH THE COMPANY'S DISTRIBUTION SYSTEM

#### INTERCONNECTION AGREEMENT

This Interconnection Agreement ("Agreement") is made and entered into this \_\_\_\_ day of \_\_\_\_\_, 200\_, by Toledo Edison Company, ("Company"), and \_\_\_\_\_ ("Customer"), a \_\_\_\_\_ [specify whether corporation, and if so name state, municipal corporation, cooperative corporation, or other], each hereinafter sometimes referred to individually as "Party" or both referred to collectively as the "Parties". In consideration of the mutual covenants set forth herein, the Parties agree as follows:

- Scope of Agreement** -- This Agreement is applicable to conditions under which the Company and the Customer agree that one or more generating facility or facilities of \_\_\_ kW to be interconnected at 35 kV or less ("Facility or Facilities") may be interconnected to the Company's utility system, as described in the Company's Distribution Interconnection Tariff. The facility shall be 300kW or less and may be used for exporting retail electricity only to the Company's distribution system. This Agreement is not applicable to Wholesale transactions as defined by the Federal Energy Regulatory Commission (FERC).
- Establishment of Point(s) of Interconnection** -- Company and Customer agree to interconnect their Facility or Facilities at the locations specified in this Agreement, in accordance with Revised Code §4928.67, and the Uniform Electric Interconnection Standards (§4901:1-22-01, et seq.) of the Ohio Administrative Code (Rules) or any successor rule addressing interconnection standards, the Company's Distribution Interconnection Tariff and as described in Attachment A (the "Point(s) of Interconnection"). The Company and the Customer agree to follow those technical specifications included in the Company's Technical Specification Document, attached and referred to herein as Attachment B.
- Responsibilities of Company and Customer** -- Each Party will, at its own cost and expense, operate, maintain, repair, and inspect, and shall be fully responsible for, Facility or Facilities which it now or hereafter may own unless otherwise specified on Attachment A. Customer shall conduct operations of its facility(s) in compliance with all aspects of the Interconnection Tariff and Rules, and Company shall conduct operations on its utility system in compliance with all aspects of the Interconnection Tariff and Rules, or as further described and mutually agreed to in the applicable Facility Schedule. The Customer shall, at its own expense, acquire and utilize the type of meter required by the Company for Interconnection. The Company shall install, operate and maintain such meter. Maintenance of Facilities or interconnection facilities shall be performed in accordance with the applicable manufacturer's recommended maintenance schedule. The Parties agree to cause their Facilities or systems to be constructed in accordance with safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and Underwriters Laboratories, in effect at the time of construction. The Company and the Customer shall maintain their facilities in compliance with the U.S. Environmental Protection Agency (EPA) and the Ohio EPA standards.

Each Party covenants and agrees to design, install, maintain, and operate, or cause the design, installation, maintenance, and operation of, its distribution system and related Facilities and Units so as to reasonably minimize the likelihood of a disturbance, originating in the system of one Party, affecting or impairing the system of the other Party, or other systems with which a Party is interconnected. This Agreement does not constitute the availability of Transmission service for the Customer. Such Customer has the sole responsibility to apply and arrange for the availability of Transmission service.

This Agreement shall not alter the tariff under which the Customer is or shall be taking service unless otherwise agreed to by both Parties in writing as part of this Agreement.

**EXHIBIT B (Cont'd)**

The Customer shall provide the Company with proof of Insurance or other suitable financial instrument sufficient to meet its construction, operating and liability responsibilities pursuant to this Agreement.

Company will notify Customer if there is evidence that the Facility operation causes disruption or deterioration of service to other customers served from the same grid or if the Facility operation causes damage to Company's system. Notwithstanding Paragraph four (4) of this Agreement, the Customer shall reimburse the Company for any regulatory penalties assessed against the Company due to the negligence of the Customer or the failure of facilities for which the Customer has control and responsibility.

Customer will notify Company of any emergency or hazardous condition or occurrence with the Customer's Unit(s) which could affect safe operation of the system.

**4. Limitation of Liability and Indemnification**

- a. Neither Company nor Customer shall be liable to the other for damages for any act that is beyond such party's control, including any event that is a result of an act of God, labor disturbance, act of the public enemy, war, insurrection, riot, fire, storm or flood, explosion, breakage or accident to machinery or equipment, a curtailment, order, or regulation or restriction imposed by governmental, military, or lawfully established civilian authorities, or by the making of necessary repairs upon the property or equipment of either party.
- b. Notwithstanding Paragraph 4.a of this Agreement, Company shall assume all liability for and shall indemnify Customer for any claims, losses, costs, and expenses of any kind or character to the extent that they result from Company's negligence in connection with the design, construction, or operation of its facilities as described on Attachment A; provided, however, that Company shall have no obligation to indemnify Customer for claims brought by claimants who cannot recover directly from Company. Such indemnity shall include, but is not limited to, financial responsibility for: (a) Customer's monetary losses; (b) reasonable costs and expenses of defending an action or claim made by a third person; (c) damages related to the death or injury of a third person; (d) damages to the property of Customer; (e) damages to the property of a third person; (f) damages for the disruption of the business of a third person. In no event shall Company be liable for consequential, special, incidental or punitive damages, including, without limitation, loss of profits, loss of revenue, or loss of production. The Company does not assume liability for any costs for damages arising from the disruption of the business of the Customer or for the Customer's costs and expenses of prosecuting or defending an action or claim against the Company. This paragraph does not create a liability on the part of the Company to the Customer or a third person, but requires indemnification where such liability exists. The limitations of liability provided in this paragraph do not apply in cases of gross negligence or intentional wrongdoing.
- c. Notwithstanding Paragraph 4.a of this Agreement, Customer shall assume all liability for and shall indemnify Company for any claims, losses, costs, and expenses of any kind or character to the extent that they result from Customer's negligence in connection with the design, construction or operation of its facilities as described on Attachment A; provided, however, that Customer shall have no obligation to indemnify Company for claims brought by claimants who cannot recover directly from Customer. Such indemnity shall include, but is not limited to, financial responsibility for: (a) Company's monetary losses; (b) reasonable costs and expenses of defending an action or claim made by a third person; (c) damages related to the death or injury of a third person; (d) damages to the property of Company; (e) damages to the property of a third person; (f) damages for the disruption of the business of a third person. In no event shall Customer be liable for consequential, special, incidental or punitive damages, including, without limitation, loss of profits, loss of revenue, or loss of production. The Customer does not assume liability for any costs for damages arising from the disruption of the business of the Company or for the Company's costs and expenses of prosecuting or defending an action or claim against the Customer. This paragraph does not create a liability on the part of the Customer to the Company

**EXHIBIT B (Cont'd)**

or a third person, but requires indemnification where such liability exists. The limitations of liability provided in this paragraph do not apply in cases of gross negligence or intentional wrongdoing.

- d. Company and Customer shall each be responsible for the safe installation, maintenance, repair and condition of their respective lines and appurtenances on their respective sides of the point of delivery. The Company does not assume any duty of inspecting the Customer's lines, wires, switches, or other equipment and will not be responsible therefor. Customer assumes all responsibility for the electric service supplied hereunder and the facilities used in connection therewith at or beyond the point of delivery, the point of delivery being the point where the electric energy first leaves the wire or facilities provided and owned by Company and enters the wire or facilities provided by Customer.
- e. For the mutual protection of the Customer and the Company, only with Company prior authorization are the connections between the Company's service wires and the Customer's service entrance conductors to be energized.
5. **Right of Access, Equipment Installation, Removal & Inspection** - The Parties shall provide each other such easements and/or access rights as may be necessary for either Party's performance of their respective operational obligations under this Agreement; provided that, notwithstanding anything stated herein, a Party performing operational work within the boundaries of the other Party's facilities must abide by the rules applicable to that site.
6. **Disconnection of Unit** - Customer retains the option to disconnect from Company's utility system. Customer will notify the Company of its intent to disconnect by giving the Company at least thirty days' prior written notice. Such disconnection shall not be a termination of the agreement unless Customer exercises rights under Section 7.

Customer shall disconnect Facility from Company's system upon the effective date of any termination under Section 7.

Subject to Commission Rule, for routine maintenance and repairs on Company's utility system, Company shall provide Customer with seven business days' notice of service interruption.

Company shall have the right to suspend service in cases where continuance of service to Customer will endanger persons or property. During the forced outage of the Company's utility system serving customer, Company shall have the right to suspend service to effect immediate repairs on Company's utility system, but the Company shall use its best efforts to provide the Customer with reasonable prior notice.

7. **Effective Term and Termination Rights** -- This Agreement becomes effective when executed by both parties and shall continue in effect until terminated. The agreement may be terminated for the following reasons: (a) Customer may terminate this Agreement at any time, by giving the Company sixty days' written notice; (b) Company may terminate upon failure by the Customer to generate energy from the Facility in parallel with the Company's system within twelve months after completion of the interconnection; (c) either party may terminate by giving the other party at least sixty days prior written notice that the other Party is in default of any of the material terms and conditions of the Agreement, so long as the notice specifies the basis for termination and there is reasonable opportunity to cure the default; or (d) Company may terminate by giving Customer at least sixty days notice in the event that there is a material change in an applicable rule or statute

**EXHIBIT B (Cont'd)**

8. **Governing Law and Regulatory Authority** -- This Agreement was executed in the State of Ohio and must in all respects be governed by, interpreted, construed, and enforced in accordance with the laws thereof. This Agreement is subject to, and the parties' obligations hereunder include, operating in full compliance with all valid, applicable federal, state, and local laws or ordinances, and all applicable rules, regulations, orders of, and tariffs approved by, duly constituted regulatory authorities having jurisdiction.
9. **Amendment** -- This Agreement may be amended only upon mutual agreement of the Parties, which amendment will not be effective until reduced to writing and executed by the Parties.
10. **Entirety of Agreement and Prior Agreements Superseded** -- This Agreement, including Attachment A, which is expressly made a part hereof for all purposes, constitutes the entire agreement and understanding between the Parties with regard to the interconnection of the facilities of the Parties at the Points of Interconnection expressly provided for in this Agreement. The Parties are not bound by or liable for any statement, representation, promise, inducement, understanding, or undertaking of any kind or nature (whether written or oral) with regard to the subject matter hereof not set forth or provided for herein. This Agreement replaces all prior agreements and undertakings, oral or written, between the Parties with regard to the subject matter hereof, including without limitation \_\_\_\_\_ [specify any prior agreements being superseded], and all such agreement and undertakings are agreed by the Parties to no longer be of any force or effect. It is expressly acknowledged that the Parties may have other agreements covering other services not expressly provided for herein, which agreements are unaffected by this Agreement.
11. **Notices** -- Notices given under this Agreement are deemed to have been duly delivered if hand delivered or sent by United States certified mail, return receipt requested, postage prepaid, to:
  - (a) If to Company:
  
  
  
  
  
  
  
  
  
  
  - (b) If to Customer:

The above-listed names, titles, and addresses of either Party may be changed by written notification to the other, notwithstanding Section 10.

**12. Invoicing and Payment –**

- i) General. Within a reasonable time after the first day of each month, each Party shall prepare and deliver to the other Party an invoice for those reimbursable services provided to the other Party under this Agreement during the preceding month.
- ii) Invoice. Each invoice shall delineate the month in which the services were provided, shall fully describe the services rendered, and shall be itemized to reflect the services performed or provided.
- iii) Payment. The invoice shall be paid within twenty (20) calendar days of receipt. All payments shall be made in immediately available funds payable to the other Party, or by wire transfer to a bank named and account designated by the invoicing Party.

**EXHIBIT B (Cont'd)**

- iv) Disputes. Disputed amounts shall be paid on or before the invoice payment due date. In the event the dispute is resolved in favor of the Party disputing payment, the Party required to pay back disputed amounts shall, within thirty (30) days of resolution of the dispute, make payment with interest as calculated in accordance with Section 12.6.
  - v) Waiver. Payment of an invoice shall not relieve the paying Party from any other responsibilities or obligations it has under this Agreement, nor shall such payment constitute a waiver of any claims arising hereunder.
  - vi) Interest. Interest on any unpaid amounts shall be calculated in accordance with the methodology specified for interest on refunds by the Company's Rules and Regulations, filed and approved by the Public Utilities Commission of Ohio (PUCO). Interest on delinquent amounts shall be calculated from the due date of the bill to the date of payment.
  - vii) Payment During Dispute. In the event of a billing dispute between the Company and the Customer, each Party shall continue to provide services and pay all invoices.
  - viii) Collection Expenses. Neither Party shall be responsible for the other Party's costs of collecting amounts due under this Agreement, including attorney fees and expenses and the expenses of arbitration.
13. **Assignment** Each Party may assign this Agreement to any affiliated corporation, person, partnership, or other entity under the control of or having controlling interest in the assigning Party with the written consent of the other Party. Such consent shall not be withheld without good cause shown and noticed to the assigning party in writing within thirty (30) days after the request for assignment.
14. **Confidentiality** Each Party recognizes and agrees that this Agreement, all attachments thereto, and all information relating to this Agreement marked by the other Party as confidential, constitutes proprietary confidential information. Each Party shall distribute such information only to those employees, or other persons under the control of the Party, on a need to know basis. Release of any confidential information shall constitute a material breach of this Agreement and the offended party may immediately terminate this Agreement. If a Court or Regulatory Agency of competent jurisdiction requires the release of any confidential information by either Party then such Party shall provide three (3) days written notice to the other party before making such release to allow the offended party to appear and challenge the release. If such release is required by a Court or Regulatory Agency within a period which does not permit three (3) days notice, the Party will provide such notice as is reasonable in the circumstances. A release pursuant to Court or Regulatory Agency order shall not constitute material breach except in the absence of the required notice.
15. **No Third-Party Beneficiaries** -- This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and, where permitted, their assigns.
16. **No Waiver** -- The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered to waive the obligations, rights, or duties imposed upon the Parties.
17. **Headings** -- The descriptive headings of the various articles and sections of this Agreement have been inserted for convenience of reference only and are to be afforded no significance in the interpretation or construction of this Agreement.

**EXHIBIT B (Cont'd)**

18. **Multiple Counterparts** -- This Agreement may be executed in two or more counterparts, each of which is deemed an original but all constitute one and the same instrument.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be signed by their respective duly authorized representatives.

THE TOLEDO EDISON COMPANY

[CUSTOMER NAME]

BY: \_\_\_\_\_

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

**ATTACHMENT A**

**Page 1 of 2**

**LIST OF FACILITY SCHEDULES AND POINTS OF INTERCONNECTION**

Facility Schedule No.

Name of Point of Interconnection

(Insert Facility Schedule number and name for each Point of Interconnection]

**ATTACHMENT A**

FACILITY SCHEDULE NO.

[The following information is to be specified for each Point of Interconnection, if applicable.]

1. Name:
2. Facility location:
3. Delivery voltage:
4. Metering (voltage, location, losses adjustment due to metering location, and other):
5. Normal Operation of Interconnection:
6. One line diagram attached (check one): \_\_\_ Yes/ \_\_\_ No
7. Facilities to be furnished by Company:
8. Facilities to be furnished by Customer:
9. Cost Responsibility:
10. Control area interchange point (check one): \_\_\_ Yes/ \_\_\_ No
11. Supplemental terms and conditions attached (check one): \_\_\_ Yes/ \_\_\_ No

THE TOLEDO EDISON COMPANY

[CUSTOMER NAME]

BY: \_\_\_\_\_

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_



**Rider No. 1 ELECTRIC FUEL COMPONENT RATE**

This Rider is applicable only to customer facilities billed under the provisions of Economic Development Riders 4 and 4A or under a special contract pursuant to Ohio Revised Code 4905.31, entered into prior to January 1, 2001, which requires the inclusion of an electric fuel component (EFC) rate according to the terms and conditions of the special contract or where the special contract provides for billing under a tariffed rate schedule.

For customer facilities billed under the provisions of Economic Development Riders 4 and 4A and those special contract customers whose terms and conditions require inclusion of the EFC rate, the EFC rate shall be **1.3717¢** per kWh.

For those special contract customers that are billed pursuant to a rate schedule, the following shall apply:

- a. The tariff rate's generation charges shall be reduced by the fuel portion of the generation charge at a rate of 1.3717¢ per kWh., and
- b. The EFC Rider charge shall be applied at a rate of 1.3717¢ per kWh.

**Rider No. 4**  
**Economic Development Rider**

**Applicability:**

This Rider is applicable to Full Service customers served under Large Power Rate "PV-44", Large General Service Rate "GS-12" and Small General Service Rate "GS-16". A Full Service customer is one that receives all retail electric services from the Company.

This Rider is available on an optional basis to Economic Development Customers that meet the Minimum Investment Unit.

An Economic Development Customer (the "Customer") is a prospective or an existing electric customer of the Toledo Edison Company ("Toledo Edison" or the "Company") where incentives are needed to attract the Customer to the service area or encourage its growth, modernization, or business retention, where the potential economic benefit to the community of employment and capital investment is evidenced by financial incentives through direct loans, financial grants, formalized training programs, tax incentives, bonds or financing under guarantees provided by appropriate governmental and/or economic development agencies such as the Ohio Department of Development, the Toledo-Lucas County Port Authority, certified Community Improvement Corporations or other similar municipal, county or multi-county organizations.

A Minimum Investment Unit is the addition of new employees and/or a minimum Capital Investment in accordance with the following schedule:

<u>Rate</u>	<u>New Employees</u>	<u>Capital Investment</u>	
		<u>Total Dollars</u>	<u>Single Production Piece</u>
GS-16	5	\$125,000	\$ 75,000
GS-12	10	\$250,000	\$125,000
PV-44	20	\$500,000	N/A

New Employees means permanent and full-time employees that exceed Base Employees. Base Employees means the average number of permanent and full-time employees of the Customer for the three month period immediately prior to the Application Date for the Rider.

Capital Investment means an investment in production equipment including electrical equipment, buildings, etc., necessary for increases in productivity, efficiency and quality. A Capital Investment may be made either in several items as just described or in a single piece of production equipment provided the conditions of the schedule are met. Consumable items such as furniture, uniforms or vehicles, and maintenance items will not qualify as Capital Investments. Purchase orders must be dated no earlier than three months prior to the Application Date. The application will not be approved until presentation of proper purchase orders, invoices and/or employment information to the Company.

**Rider No. 4**  
**Economic Development Rider**

**Rates and Incentives:**

1. The Customer will receive electric service on the appropriate retail service rate.
  
2. For new customers locating in the Toledo Edison territory, or existing customers that expand operations and physically relocate within the Company's service territory, a 25% reduction will be made in total Non-fuel Charges.  
Non-fuel Charges means the total monthly electric charges as computed on the appropriate rate but excluding Substation Charges, if applicable, the Electric Fuel Component and all other applicable riders.
  
3. For an expanding existing customer or a customer planning the transfer of a significant portion of its electric load outside the State of Ohio, a 25% reduction will be made in the incremental Non-fuel Charges that are in excess of Non-fuel Charges attributed to Base Usage.  
Base Usage for an expanding existing customer means the average demand and kilowatthour consumption for the twelve month period immediately preceding the Application Date of the Rider. Base Usage for a customer planning the transfer of a significant portion of its electrical load outside the State of Ohio means the average demand and kilowatthour consumption that would remain in the Company's service territory after the planned transfer.
  
4. An Energy Intensive Customer may be eligible to receive a higher percentage reduction. An Energy Intensive Customer means a customer that can provide evidence that the cost of electric power is at least 10% or 20% of the customer's operating cost, whereupon the percentage reduction referenced in (2) or (3) above will be increased to 30% or 35%, respectively.
  
5. For customers, that are served at primary voltage or above, whose energy requirements necessitate upgrading the Company owned equipment at a substation, the Company will assist the customer in defraying the Company owned substation equipment costs of the upgrade. The Company will contribute up to one-half of the first year's increase in incremental non-fuel charges less any incentive amounts not to exceed one-half of a million dollars.

**Rider No. 4**  
**Economic Development Rider**

**Application Date, Effective Date, Termination:**

The Application Date means the date on which the Customer applied for the Rider. The Effective Date means the date on which the application is approved by Toledo Edison. The Effective Date may be deferred up to one year after application by the Customer at the Customer's request. The period during which applications will be accepted by Toledo Edison will expire on December 31, 1993, unless extended on a year-to-year basis at the sole option of the Company, with the approval of the Public Utilities Commission of Ohio.

The Company shall have the option to require evidence from the Customer that the Minimum Investment Unit is being maintained by the Customer. If in the judgment of the Company, the Customer has failed to maintain the Minimum Investment Unit, the Rider shall no longer be available to that Customer during the remaining term of the Rider. Otherwise, the Rider will terminate 60 months after the Effective Date of the Rider.

**Minimum Monthly Billing Demands:**

The Minimum Monthly Billing Demand shall be the demand as specified in Rates PV-44 and GS-12. The Minimum Monthly Billing Demand for Rate GS-16 shall be 100 KW.

**Terms and Conditions:**

All terms and conditions of the applicable retail service rates shall apply except those specifically modified under this Rider.

The Company reserves the right to normalize the Base Employees or the Base Usage if in the judgment of the Company either represents an atypical or seasonal level.

**RIDER NO. 4A**  
**Economic Development Rider**

**Applicability:**

This Rider is applicable to Full Service customers served under the Large General Service "PV-45", Small General Service Schedule "SG-1" and Medium General Service Schedule "MG-1" A Full Service customer is one that receives all retail electric services from the Company.

This Rider is available on an optional basis to Economic Development Customers that meet the Minimum Investment Unit.

This Rider is not available to any prospective or existing commercial customer whose primary customers or competition are or will be existing customers of the Company.

An Economic Development Customer (the "Customer") is a prospective or an existing electric customer of the Toledo Edison Company ("Toledo Edison" or the "Company") where incentives are needed to attract the Customer to the service area or encourage its growth, modernization, or business retention, where the potential economic benefit to the community of employment and capital investment is evidenced by financial incentives through direct loans, financial grants, formalized training programs, tax incentives, bonds or financing under guarantees provided by appropriate governmental and/or economic development agencies such as the Ohio Department of Development, the Toledo-Lucas County Port Authority, certified Community Improvement Corporations or other similar municipal, county or multi-county organizations.

A Minimum Investment Unit is the addition of new employees and/or a minimum Capital Investment in accordance with the following schedule:

<u>Rate</u>	<u>New Employees</u>	<u>Capital Investment</u>	
		<u>Total Dollars</u>	<u>Single Production Piece</u>
SG-1	5	\$125,000	\$ 75,000
MG-1	10	\$250,000	\$125,000
PV-45	20	\$500,000	N/A

New Employees means permanent and full-time employees that exceed Base Employees. Base Employees means the average number of permanent and full-time employees of the Customer for the three month period immediately prior to the Application Date for the Rider.

**RIDER NO. 4A**  
**Economic Development Rider**

Capital Investment means an investment in production equipment including electrical equipment, buildings, etc., necessary for increases in productivity, efficiency and quality. A Capital Investment may be made either in several items as just described or in a single piece of production equipment provided the conditions of the schedule are met. Consumable items such as furniture, uniforms or vehicles, and maintenance items will not qualify as Capital Investments. Purchase orders or invoices must be dated no earlier than three months prior to the Application Date. The application will not be approved until presentation of proper purchase orders, invoices and/or employment information to the Company.

**Rates and Incentives:**

1. The Customer will receive electric service on the appropriate retail service rate.
2. For new customers locating in the Toledo Edison territory, or existing customers that expand operations, a reduction will be made in the incremental Non-fuel Charges as follows:

<u>Months</u>	<u>Percent Reduction</u>
1-12	35%
13-24	30%
25-36	25%
37-48	20%
49-60	15%

Non-fuel Charges means the total monthly electric charges as computed on the appropriate rate but excluding Substation Charges, if applicable, the Electric Fuel Component and all other applicable riders.

3. For an expanding existing customer that can economically, as verified by the Company, transfer a significant portion of its electric load outside of the Toledo Edison service territory, a reduction will be made in the incremental Non-fuel Charges that are in excess of Non-fuel Charges attributed to Base Usage pursuant to Item 2 of the Rates and Incentives Section of the Rider.

Base Usage for an expanding existing customer means the average demand and kilowatthour consumption for the twelve month period immediately preceding the Application Date of the Rider. Base Usage for a customer that can economically, as verified by the Company, transfer a significant portion of its electrical load outside of the Toledo Edison service territory means the average demand and kilowatthour consumption that would remain in the Company's service territory after the planned transfer.

4. An Energy Intensive Customer may be eligible to receive a higher percentage reduction. An Energy Intensive Customer means a customer that can provide evidence that the cost of electric power is at least 20% of the customer's operating cost, whereupon the percentage reduction referenced in (2) or (3) above will remain at 35%. The determination that a Customer is Energy Intensive will be based on the cost of electric power vs. the customer's operating cost for the first twelve months under this Rider.

**RIDER NO. 4A**  
**Economic Development Rider**

5. For customers, that are served at primary voltage or above, whose energy requirements necessitate upgrading the Company owned equipment at a substation, the Company will assist the customer in defraying the Company owned substation equipment costs of the upgrade. The Company will contribute up to one-half of the first year's increase in incremental non-fuel charges less any incentive amounts not to exceed one-quarter of a million dollars.

**Application Date, Effective Date, Termination:**

The Application Date means the date on which the Customer applied for the Rider. The Effective Date means the date on which the application is approved by Toledo Edison. The Effective Date may be deferred up to one year after application by the Customer at the Customer's request.

The Company shall have the option to require evidence from the Customer that the Minimum Investment Unit is being maintained by the Customer. If in the judgment of the Company, the Customer has failed to maintain the Minimum Investment Unit, the Rider shall no longer be available to that Customer during the remaining term of the Rider. Otherwise, the Rider will terminate 60 months after the Effective Date of the Rider.

**Minimum Monthly Billing Demands:**

The Minimum Monthly Billing Demand shall be the demand as specified in Rates PV-45 and MG-1. The Minimum Monthly Billing Demand for Rate SG-1 shall be 100 KW.

Terms and Conditions:

1. All terms and conditions of the applicable retail service rates shall apply except those specifically modified under this Rider.
2. The Company reserves the right to normalize the Base Employees or the Base Usage if in the judgment of the Company either represents an atypical or seasonal level.
3. In the event that the Customer's usage falls below the base usage or the Customer transfers a significant portion of its electric load to a nonToledo Edison energy source during the term of the Rider, which will be construed as a breach of, and has the effect of canceling the Rider, the Company shall bill the Customer for the amount of the incentive already received under the Rider. The Customer shall pay such bill within thirty (30) days after the date of the receipt of the bill by the Customer, and if the bill remains unpaid, interest at the rate of 1.5% per month shall be charged and paid.

**RIDER NO. 6**  
**Direct Load Control Experiment**

Available on an experimental basis to no more than 150 Full Service customers residing in single family houses being served under Residential Rates R-01, R-02, R-04 and R-07 who have installed electric central air conditioners (or heat pumps). This Rider is unavailable to a Customer with load controllers or to a Customer served under Rate R-06. Participation is voluntary and Customer selection for this rate is solely at the discretion of the Company. A Full Service customer is one that receives all retail electric service from the Company.

Under the terms of the experiment, the Company will install equipment at each house to curtail, as needed, by radio control signals the water heating and air conditioning (heat pump) compressor loads during the four summer months of June through September. Electricity to water heaters may be curtailed from 12:00 p.m. to 6:00 p.m. weekdays; while electricity to air conditioners (or heat pumps) may be curtailed at 15-minute intervals between this same time period. Curtailment time shall not exceed a total of 90 hours during those four summer months. The Company will also install equipment to monitor the total electric usage at each house.

Curtailment shall be at the sole discretion of the Company, and Customer participation demonstrates the Customer's acceptance of curtailable service. A payment equal to an amount the Company determines is needed to encourage participation shall be made to each Customer participating for each of the four summer months while the experiment continues.

A Customer may withdraw from the experiment at any time and may not afterwards re-enter. Likewise, the Company may end a Customer's participation at any time. The Company may withdraw this Rider at any time.



**RIDER NO. 7**

**Prepaid Demand Option**

A prepaid demand option is available for those Full Service Customers with electric service being provided under the Large General Service Rate - "PV-45." The Customer may pre-purchase five years of kilowatt demand based on that customer's most recent twelve months of kW usage. The Company shall determine the purchase price for the prepaid demand based on the demand charges in effect under the appropriate PUCO rate schedule applicable to the Customer and based upon an appropriate discount rate applied to those charges to recognize the Company's cost of capital. Energy charges will be billed based on measured demand. A Full Service customer is one that receives all retail electric services from the Company.

**RIDER NO. 8**  
**REPLACEMENT ELECTRICITY**

**APPLICABILITY:**

This Rider is available to Customers taking service from the Company, for all or a portion of their total electrical needs, under an electric service agreement filed under Section 4905.31, Revised Code, which allows for interruption of all or a portion of the Customer's electrical needs. This Rider No. 8 is available only for the acquisition of Replacement Electricity occasioned by Interruptible Conditions as defined below.

**DEFINITIONS:**

This Rider No. 8 shall be subject to the following definitions in addition to the definitions contained within P.U.C.O No. 8.

1. Firm Electric Service Customers. Firm Electric Service Customers are customers within the Company's electric service territory which receive retail electric service from the Company which are not subject to interruption of their electric service except for System Emergencies.
2. Firm Wholesale Customers. Firm Wholesale Customers are customers to which the Company provides firm transmission service for wholesale electricity transactions.
3. Interruption Conditions. Interruption Conditions are the terms and conditions contained in the conditions in a specific electric service agreement, whichever the Customer is served under, which define under what situations the Company can interrupt all or a portion of the Customer's electrical needs.
4. Interruptible Load. Interruptible Load shall be that portion of the Customer's total electrical needs which is subject to interruption under the defined Interruption Conditions.
5. Replacement Electricity. Replacement Electricity is electricity purchased by the Company to supply all or a part of a Customer's Interruptible Load during an Interruption Condition.
6. Replacement Electricity Source. A third-party provider of Replacement Electricity to the Company.
7. System Emergency. Any situation wherein the Company initiates its Emergency Electrical Procedures outlined in its General Rules and Regulations of P.U.C.O. No. 8, as may be amended or revised.

**REPLACEMENT ELECTRICITY SOURCE:**

The Customer shall have the option of specifying a Replacement Electricity Source ("Source") in advance or allowing the Company to choose the lowest cost Replacement Electricity Source at the time an Interruption Condition occurs.

1. No Customer Designation. If the Customer has not specified a Source, as described herein, the Company shall use its best efforts to obtain the lowest cost Replacement Electricity, excluding that obtained for Firm Electric Service Customers, subject to the conditions herein.

**RIDER NO. 8  
REPLACEMENT ELECTRICITY**

2. Customer Designation. The Customer may specify a Source and the Company shall use its best efforts to satisfy the Replacement Electricity need based upon the Customer's specification, provided that such specifications do not involve the use of inappropriate operating practices or otherwise negatively affect the Company's ability to meet the requirements of its Firm Electric Service Customers<sup>1</sup> The Company shall take title to any Replacement Electricity so purchased. Customer specifications must be made at least thirty (30) days before an Interruption Condition arises in which the Customer wishes to utilize that Source. The Customer can specify up to five (5) Sources at a time. The Customer can change their specified Sources no more than once each quarter.
3. The Customer specification must, at a minimum, include the following information:
  - a) the estimated amount of Replacement Electricity the Customer may require;
  - b) the Sources the Customer would like to utilize;
  - c) which Source should be contacted first.

The Company shall use its best efforts, based on this information and any other information provided by the Customer, to meet the Customer's request to utilize a specified Source. The Customer shall pay the Company for any and all reservation costs required to assure that the Source will be available when an Interruption Condition occurs.

**QUALIFICATIONS FOR A SOURCE:**

The Company shall have the right not to utilize a potential Source unless it meets all of the following requirements:

1. Necessary Contracts. The Company's acceptance of a potential Source shall be subject to the completion of all necessary contracting, including appropriate interchange agreements and tariffs, and approval of such contracts, agreements and tariffs by any regulatory authority that assumes jurisdiction over such service.
2. Credit Worthiness. The Company's acceptance of a potential Source shall be subject to a review of their credit worthiness.
3. Interconnection Standards. The Company's acceptance of a potential Source shall be subject to the ability of the potential Source to comply with the Company's interconnection standards.
4. System Integrity and Safety. The Company's acceptance of a potential Source shall be subject to the ability of the potential Source to comply with the Company's system integrity and safety standards.
5. Incurred Costs. The potential Source must agree to pay all of the costs incurred by the Company in qualifying them as a Source.  
The Company shall provide to the potential Source and to the Customer the specific qualification criteria upon request.

<sup>1</sup> Best efforts shall mean actions that are reasonable, prudent and consistent with good utility practice. Best efforts do not include fiduciary or extraordinary action.

**RIDER NO. 8**  
**REPLACEMENT ELECTRICITY**

**PROCEDURE FOR RECEIVING REPLACEMENT ELECTRICITY:**

1. Company Notification. When the Customer is notified by the Company that it must interrupt its Interruptible Load due to an Interruption Condition, the Customer will also be informed by the Company as to its ability to transmit Replacement Electricity.
2. Availability of Replacement Electricity. The availability of Replacement Electricity will depend on the existence of the following factors:
  - a) The Company is not experiencing a System Emergency.
  - b) The Company's transmission system is capable of importing the Replacement Electricity while maintaining service to Firm Electric Service Customers and Firm Wholesale Customers.
  - c) A qualified Source has Replacement Electricity available and it can be delivered to the Company. If none of a Customer's designated Sources have available Replacement Electricity, the Company may, at its option and with Customer approval, deliver Replacement Power from another qualified Source.

In the event the Company's Transmission System is capable of importing only a portion of the requested Replacement Power, the Company shall use its best efforts to fairly apportion available Replacement Electricity between customers which have requested it.

3. Customer Notification. The Company shall endeavor to provide as much prior notice as possible of the availability of Replacement Electricity, and in situations other than System Emergencies or other emergency conditions, the Company shall endeavor to provide the customers with ninety (90) minutes' notice. The Company may require the Customer to respond within thirty (30) minutes as to whether it wishes to utilize Replacement Electricity. Such notification must include all of the following information:
  - a) The amount of Replacement Electricity the Customer would like to schedule.
  - b) The duration for which it would like to schedule such Replacement Electricity. (The Company will provide the Customer with at least forty-five [45] minutes' notice of the end of an Interruption Condition.)
  - c) Designated Source to be used (if applicable).
  - d) Pricing information in the format specified by the Company to enable the Company to appropriately bill the Customer.
  - e) Confirmation that the Customer agrees to pay the Replacement Electricity Charges as specified herein.If a Customer does not notify the Company during this notification period that it wishes to utilize Replacement Electricity, the Customer will be subject to interruption as defined in their electric service agreement.

**RIDER NO. 8**  
**REPLACEMENT ELECTRICITY**

4. Scheduling of Replacement Electricity. The Company shall require up to forty-five (45) minutes, from the time the Customer notifies the Company that it wants to utilize Replacement Electricity, to complete the scheduling of such Replacement Power. The scheduling of Replacement Electricity by the Company shall occur on a clock hour basis and shall be subject to all of the Company's standard scheduling practices. If requested in advance by the Customer, the Company will endeavor to provide Replacement Electricity from a non-designated Source for the period of time until the delivery of Replacement Electricity from the Customer's designated Source commences. The Company will also endeavor to provide Replacement Electricity to the Customer from the Customer's designated Source prior to the end of the forty-five (45) minute scheduling period whenever possible.

Upon written request, the Company shall provide to the potential Source and to the Customer the specific scheduling practices which apply.

5. Delivery of Replacement Electricity. Once the necessary scheduling has been completed, the Company shall then avoid interrupting the Customer subject to the provisions below.
6. Customer Review. The Company shall allow the Customer reasonable access to all pertinent documents relating to the purchase of Replacement Electricity by the Company.

**INTERRUPTION OF REPLACEMENT ELECTRICITY:**

The Company shall have the right to interrupt the delivery of Replacement Electricity to the Customer, thus requiring interruption of the Customer's Interruptible Load, under the following circumstances:

- a) If the Source fails to deliver the scheduled Replacement Electricity to a Company interconnection point and the Company cannot supply the Customer's request for Replacement Electricity from an alternative qualified Source.
- b) If, in the sole judgment of the Company, such Replacement Electricity is required (i.) to maintain service to the Company's firm electric service customers, (ii) for system integrity purposes, or (iii.) for emergency power sales to other utilities.

Any such interruption shall be remedied as quickly as reasonably possible and shall be preceded by the exhaustion of other reasonable alternatives consistent with good utility practice to avoid the interruption.

The Customer shall indemnify and hold the Company harmless for any damages to person or property resulting from the interruption of Replacement Electricity occurring at the Customer's premises resulting from the interruption of the Customer by the Company when the designated Source fails to deliver Replacement Electricity.

In the event all or a portion of the Replacement Electricity a Customer had scheduled from a designated Source, is interrupted by a direct action of the Company and instead utilized by the Company to support service to other customers, the Customer will be entitled to a credit to its bill equal to any amounts paid by Customer for Replacement Electricity which was then captured by the Company.

**RIDER NO. 8**  
**REPLACEMENT ELECTRICITY**

**REPLACEMENT ELECTRICITY CHARGES:**

The following charges will apply to all Replacement Electricity scheduled and delivered to the Customer. Failure to pay such amount shall be considered a failure to pay for electric service.

1. All costs incurred by the Company to purchase the Replacement Electricity.
2. A 10% adder.
3. All applicable taxes.
4. The Universal Service Rider
5. Temporary Rider for EEF

**CAPACITY AND ENERGY IMBALANCE:**

1. The Customer shall have an affirmative obligation under this Rider No. 8 to balance capacity and energy deviations (positive and negative) between scheduled and actual capacity utilization and energy consumption to achieve zero deviation measured as the net of the power flows measured by meters at the customer's meter and the point of interconnection with the Company.
2. The deviation of actual power flows shall be calculated by the Company based on telemetered information from the metering point with the Customer as follows:  
Imbalances = Actual hourly flow on the Customer meter minus  
scheduled hourly flow on the Customer meter.\*  
\*If the Customer has a split of firm and interruptible load, the firm load is first through the meter and this measurement applies to the Replacement Electricity being supplied for the Interruptible Load.
3. Imbalances may be negative or positive. Negative imbalances occur when the Customer has over scheduled the actual load requirements and shall be compensated in accordance with Item (a) below. Positive Imbalances occur when the Customer has under scheduled the actual load requirements and shall compensate the Company in accordance with Item (b) below.
  - a) If a negative Imbalance occurs, the Company shall credit the Customer based on the actual kilowatthours, as outlined in Section 2 above, for each occurrence. The credit shall be as follows:
    - i.) For each kilowatthour not used by the Customer, the Company shall compensate the Customer or electricity supplier for the Replacement Electricity used by the Company. That Customer's compensation will be up to the Company's marginal cost of generation or the cost of the Replacement Electricity, whichever is less, except when the unused Replacement Electricity causes additional costs to the Company by creating instability or other operation concerns on the Company's system.
  - b) If a positive Imbalance occurs, the Customer shall make payment to the Company based on the total kilowatthours of positive deviation, as outlined in Section 2 above, that has occurred in that month. The payment to the Company for each kilowatthour of positive deviation will be equal to 110% of either the Company's marginal cost of generation or the highest cost of power purchased during such period, whichever is greater.
  - c) If the Company requests that the Customer interrupt its Interruptible Load for an emergency condition and the Customer continues to take power, the Company may charge the Customer a positive deviation charge of \$50 per kilowatt per hour with the addition of Rider No. 1, Rider No. 11 and Rider No. 12.

**RIDER NO. 8**  
**REPLACEMENT ELECTRICITY**

**EQUIPMENT:**

All costs of any necessary metering, communications and other equipment necessary for the implementation of this Rider No. 8 shall be borne by the Customer. Such costs shall include the costs of any equipment required to verify the scheduled delivery of Replacement Electricity from the Source to the Company.

**Rider No. 9**

**TRANSITION RATE CREDIT PROGRAM  
RESIDENTIAL SERVICE**

In conformity with the Commission's Order issued in Case No. 96-1211-EL-UNC, the charges resulting from the following Residential Schedules shall be reduced by the amount set forth below:

Residential Rate "R-01"	Original Sheet No.	10
Residential Rate "R-01a"	Original Sheet No.	12
Residential Optional Heating Rate "R-06"	Original Sheet No.	13
Residential Optional Heating Rate "R-06a"	Original Sheet No.	14
Residential Hot Water Rate "R-04"	Original Sheet No.	15
Residential Hot Water Rate "R-04a"	Original Sheet No.	16
Residential Heating Rate "R-07"	Original Sheet No.	17
Residential Heating Rate "R-07a"	Original Sheet No.	18
Optional Electrically Heated Apartment Rate "R-09"	Original Sheet No.	19
Optional Electrically Heated Apartment Rate "R-09a"	Original Sheet No.	20

**Credit A**

The charges resulting from the application of the above tariffs shall be reduced by \$4.00 per month for the period commencing with bills rendered through June 30, 2001.

The charges resulting from the application of the above tariffs shall be reduced by \$5.00 per month for the period commencing with bills rendered on July 1, 2001 and continuing as long as Regulatory Transition Charges are in effect, or with bills rendered on December 31, 2005, whichever occurs last..

In no event shall the above reductions result in a negative bill or a refund to the customer.

**Credit B**

In conformity with Section 4928.33 of the Ohio Revised Code to reflect a rate reduction for residential customers, the monthly amount of billed Generation Charges, Regulatory Transition Charges and Generation Transition charges resulting from the application of any residential rate, as shall be reduced by five percent (5.0%) until December 31, 2005.

The continuing availability of this rider shall be determined by the Commission in Case No. 96-1211-EL-UNC.



**Rider No. 11**

**UNIVERSAL SERVICE RIDER**

A Universal Service charge of 0.05687¢ per kWh for the First 833,000 kWh and 0.05610¢ per kWh for the kWh above 833,000 kWh shall be added to the energy charge of all applicable rate schedules for the exclusive purposes of providing funding for the low-income customer assistance programs and for the Consumer Education Program authorized under Section 4928.56 of the Ohio Revised Code, and for paying the administrative costs of the low-income customer assistance programs and the Consumer Education Program.

This Universal Service Rider replaces the Interim Emergency and Temporary Recovery Of Percentage of Income Payment Plan Arrearages. Any service subject to Emergency and Temporary Recovery Of Percentage of Income Payment Plan Arrearages shall be subject to this Universal Service Rider instead.

**Rider No. 12**

**TEMPORARY ENERGY EFFICIENCY RIDER**

An Energy Efficiency charge of 0.010758¢/kWh shall be added to the energy charge of all applicable rate schedules and special contracts pursuant to Ohio Revised Code 4905.31 for the exclusive purposes of funding the Energy Efficiency Revolving Loan Program created under Section 4928.62 of the Ohio Revised Code and for paying the program's administrative costs.

All services shall be subject to this Temporary Energy Efficiency Rider regardless of underlying tariff or special arrangement.

## **Rider No. 14 Net Energy Metering Rider**

### **Availability**

Pursuant to Section 4928.01(A)(30)-(32) of the Revised Code (Net Metering), a customer-generator is a customer of the Company that is a user of a net metering system. To qualify for a net metering system, the customer-generator facility must use as its fuel either solar, wind, biomass, landfill gas, or hydropower, or use a microturbine (a combustion turbine with a peak capacity of 100 kW or less) or a fuel cell which is located on the customer-generator's premises and operates in parallel with the Company's transmission and distribution systems and is intended primarily to offset part or all of the customer's requirements for electricity. A net metering system used by a customer-generator shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronic Engineers, and Underwriters Laboratories.

Pursuant to Section 4928.67 of the Revised Code, service under this Rider is available upon request to customer-generators on a first come, first served basis so long as the total rated generating capacity used by customer-generator facilities is less than one percent of the Company's aggregate customer peak demand in this state.

### **Metering**

In order to receive service under this Rider, Net Metering must be accomplished using a single meter capable of registering the flow of electricity in each direction. If the existing electrical meter in service at the customer's facility is not capable of measuring the flow of electricity in each direction, the Company will, upon written request by the customer-generator, acquire, install, maintain, and read an approved meter that is capable of measuring electricity in each direction. The customer-generator will pay the Company all expenses involved in either modifying the existing metering or providing a new meter capable of registering the flow of electricity in each direction. Maintenance of the meter will be the responsibility of the Company, which will own the meter. The Company, at its own expense and with written consent of the customer-generator, may install additional meters to monitor the flow of electricity. Maintenance of the additional meter(s) will be the responsibility of the Company, which will own the meter(s).

### **Billing**

The provisions of this rider will be applied to the rate schedule to which the customer would be assigned if that customer were not a customer-generator. The customer-generator will be billed or credited charges and applicable riders as measured by the meter. Measured demand specified in the appropriate tariff shall be based on the peak demand measured as supplied by the Company only, flowing from the Company's system to the customer-generator's facility. If the Company supplies more kilowatt-hours of electricity than the customer-generator facility feeds back to the Company's system during the billing period, all energy charges of the appropriate rate schedule shall be applied to the net kilowatt-hours of electricity that the Company supplied. If the customer-generator feeds more electricity back to the system than the Company supplies to the customer-generator facility during the billing period: 1) all charges of the appropriate rate schedule shall be applied to the net electricity that the customer-generator facility supplies up to the level of zero net electricity consumption/supply within a billing period, and 2) all charges of the appropriate rate schedule shall be applied to the net electricity that the customer-generator facility supplies above the level of zero net electricity consumption/supply within a billing period. Such applied charges will accumulate as a bill credit until netted against the customer generator's bill. A refund in an amount of the accumulated bill credit will be paid to the customer-generator after three consecutive billing periods of such accumulation upon written request by the customer-generator.

**Rider No. 14 Net Energy Metering Rider**

**Application**

Customer-generators seeking to receive service under the provisions of this rider must submit a written application to the Company demonstrating compliance with the Net Energy Metering Rider provisions and quantifying the total rated generating capacity of the customer-generator facility.

**Interconnection**

The Company's Distribution Interconnection Tariff shall apply to service under this rider.

**Rider No. 15**

**STATE KWH TAX SELF-ASSESSOR CREDIT RIDER**

**Applicability:**

For all end users of electricity approved by the Ohio Department of Taxation as a self-assessing purchaser under the provisions of Section 5727.81 of the Revised Code. This Rider will apply to all bills rendered with meter reading dates occurring between May 1, 2001 and December 31, 2005.

**Self-Assessor Credit (2001 – 2002):**

For all bills rendered with meter reading dates occurring between May 1, 2001 and December 31, 2002 the monthly bill shall include a self-assessor credit. This credit will be the amount by which the customer's monthly bill will be reduced if the customer elects to self assess. The formula to establish the amount of the self assess credit amount is set forth below in the Self Assessor Credit Formula (2001-2002) section of this Rider.

**Self-Assessor Credit Formula (2001 – 2002):**

The self-assessor credit included on the monthly bill shall be calculated using the formula below:

Self-Assessor Credit = (.52 x Statutory kWh Tax Monthly Amount + .02 x Price of Electricity before Application of Self-Assessor Credit + \$.000375 x Monthly kWh usage, up to 504,000,000 kWh per Self-assessing Year) / 1.04

Where:

**Statutory kWh Tax:**

First 2,000 kWhs	\$.00465 per kWh
Next 13,000 kWhs	\$.00419 per kWh
All Excess Over 15,000 kWhs	\$.00363 per kWh

**Price of Electricity** = Total Monthly Bill for electric service from The Toledo Edison Company + Monthly Bill for electric generation service from a CRES Provider (if the customer has switched).

**Self-assessing Years** = Twelve months ended April 30, 2002 and  
Twelve months ended April 30, 2003.

Self-assessing years may include less than twelve months for a customer if the Ohio Department of Taxation approval date for the application to self-assess is after May 1.

The 504,000,000 kWh threshold applies to the aggregate usage of all the accounts listed on each application for self-assessing the kWh tax approved by the Ohio Department of Taxation.

**Self-Assessor Credit (2003 - 2005):**

Commencing in 2003, the Self-Assessor Credit shall equal the Statutory kWh Tax, as calculated based upon the State kWh Tax Rate section of the State and Local Tax Rider (effective January 1, 2003), and shall apply to all self-assessors, even if the State and Local Tax Rider does not expressly apply to the rate tariff under which the self-assessor receives electric service. The Self Assessor Credit may be applied either as a credit on the electric bill or by not applying the State and Local Tax Rider to the customer's bill.

**ORDINANCE RATES**

**TABLE OF CONTENTS**

	<u>Sheet Numbers</u>	<u>Revision</u>
Table of Contents	1	1 <sup>st</sup> Revised
Small Water and Waste Water Rate "WR-1"	2	Original
	3	Original
	4	Original
	5	1 <sup>st</sup> Revised
	Medium Water and Waste Water Rate "WR-2"	6
7		Original
8		Original
9		Original
10		Original
11		1 <sup>st</sup> Revised

**SMALL WATER AND WASTE WATER RATE "WR-1"**

**APPLICABILITY:**

Available to any governmental entity on the lines of the Company for electrical service to water and waste water systems.

**MONTHLY NET RATE:**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

**Customer Charge:** (per month):

For Single Phase Service	\$9.26
For Three Phase Service	\$15.43

**Energy Charge:**

First 130 KWH per KW of Monthly Billing Demand, per KWH	3.626¢
Next 170 KWH per KW of Monthly Billing Demand, per KWH	0.570¢
Next 150 KWH per KW of Monthly Billing Demand, per KWH	0.286¢
All Additional KWH, per KWH	0.223¢

**Transmission Charge:**

**Energy Charge:**

First 130 KWH per KW of Monthly Billing Demand, per KWH	0.695¢
Next 170 KWH per KW of Monthly Billing Demand, per KWH	0.109¢
Next 150 KWH per KW of Monthly Billing Demand, per KWH	0.055¢
All Additional KWH, per KWH	0.043¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service For all kWh, per kWh	0.015¢
Reactive Supply Voltage Control from Generation Sources For all kWh, per kWh	0.028¢
Regulation and Frequency Response Service * For all kWh, per kWh	0.018¢
Operating Reserve – Spinning Reserve Service * For all kWh, per kWh	0.027¢
Operating Reserve – Supplemental Reserve Service * For all kWh, per kWh	0.014¢

**SMALL WATER AND WASTE WATER RATE "WR-1"**

- This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**Generation Transition Charge:**

**Energy Charge:**

First 130 KWH per KW of Monthly Billing Demand, per KWH	4.558¢
Next 170 KWH per KW of Monthly Billing Demand, per KWH	0.717¢
Next 150 KWH per KW of Monthly Billing Demand, per KWH	0.360¢
All Additional KWH, per KWH	0.280¢

**Regulatory Transition Charge:**

**Energy Charge:**

First 130 KWH per KW of Monthly Billing Demand, per KWH	6.794¢
Next 170 KWH per KW of Monthly Billing Demand, per KWH	1.068¢
Next 150 KWH per KW of Monthly Billing Demand, per KWH	0.537¢
All Additional KWH, per KWH	0.418¢

**Generation Charge:**

**Energy Charge:**

First 130 KWH per KW of Monthly Billing Demand, per KWH	(1.873)¢
Next 170 KWH per KW of Monthly Billing Demand, per KWH	0.776¢
Next 150 KWH per KW of Monthly Billing Demand, per KWH	1.022¢
All Additional KWH, per KWH	1.076¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier

**Energy Charge:**

First 130 KWH per KW of Monthly Billing Demand, per KWH	7.254¢
Next 170 KWH per KW of Monthly Billing Demand, per KWH	1.491¢
Next 150 KWH per KW of Monthly Billing Demand, per KWH	0.892¢
All Additional KWH, per KWH	0.758¢



**SMALL WATER AND WASTE WATER RATE "WR-1"**

**MINIMUM CHARGE:**

The minimum charge per month shall be the customer charge.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**DETERMINATION OF MONTHLY BILLING DEMAND:**

The Company will install a demand meter to determine the maximum integrated fifteen minute demand attained at any time during the month. The Monthly Demand thus established, but not less than fifty percent of the maximum Monthly Demand within the four month period ending with the month under consideration, shall be taken as the Monthly Billing Demand for that month, provided that said demand shall not be less than 5 kilowatts.

In the event the characteristics of the customer's load are highly fluctuating as in the case of elevators, hoists, cranes and similar equipment, the Monthly Billing Demand in kilowatts shall be sixty percent of the horsepower nameplate rating of the equipment, less fifteen kilowatts.

In the event the Company, in order to prevent voltage fluctuations or disturbances on its system, requires the customer to install a separate transformer or transformers to provide service for X-ray machines, welders, and other equipment having similar characteristics, such service shall be metered and billed separately from the customer's other service. The Monthly Billing Demand in kilowatts for such separate service shall be seventy percent of the kilovolt ampere nameplate rating of the Company's standard size transformers required, less fifteen kilowatts.

The Company may, at its option, test or meter the power factor of the customer's load. A lagging power factor of less than eight tenths (0.8) shall be adjusted by multiplying the demand by the ratio that 0.8 bears to the actual power factor of the load. No adjustment will be made where the power factor is found to be greater than 0.8 lagging, or for a leading power factor.

Monthly Billing Demand shall be computed to the closest kilowatt.

**OFF-PEAK OPTION:**

A Full Service customer may request the installation of appropriate metering and time based recording equipment so that the Monthly Billing Demand may be determined under this optional provision. Such customer shall pay the added cost of the new metering and recording system in excess of the cost of a standard metering system for a similar customer of this rate class. There shall also be an additional Customer Charge of \$90.00 per month. Election of this option shall be for a minimum term of one year. . A Full Service customer is one that receives all retail electric services from the Company.

Under this option the maximum monthly demand shall be subject to redetermination as follows:

**SMALL WATER AND WASTE WATER RATE "WR-1"**

If the Full Service customers customer's actual maximum monthly demand occurs during off-peak hours, the customer's maximum monthly demand for billing purposes will be the actual maximum monthly demand less three-fourths (3/4) of the difference between the actual maximum monthly demand and the highest demand attained during the on-peak hours of the same month. For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) Service under this rate shall be alternating current, 60 Hertz, single and three phase at the Company's standard voltages.
- (3) Customers who desire combined light and power service on this rate, as such service becomes available, shall make such changes in their wiring and/or equipment as may be necessary to receive all service from the Company's four wire secondary system.
- (4) The term of contract shall be for five years from date of application with a self-renewal provision for successive periods of two years each until either party shall give at least one year written notice to the other of its intention to discontinue at the end of any period. If it is determined that said service location no longer qualifies, billing under this tariff will cease upon thirty (30) days advance written notice filed by the Company with the Customer.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94

**MEDIUM WATER AND WASTE WATER RATE "WR-2"**

**APPLICABILITY:**

Available to any governmental entity on the lines of the Company for electrical service to water and waste water service who will guarantee a Monthly Billing Demand of at least one hundred fifty (150) kilovolt-amperes.

**MONTHLY NET RATE**

Monthly charges per customer for all customers served under this schedule shall include Distribution Charges, Transmission Charges, Ancillary Service Charges (except as provided below), Generation Transition Charges, Regulatory Transition Charges, and Generation Charges, as shown below. Customers served under this schedule who receive Generation Services from a Certified Supplier will qualify for a Shopping Credit as shown below to reduce the sum of other applicable charges.

**Distribution Charge:**

**Customer Charge:** (per month): \$191.10

**Energy Charge:**

First 130 KWH per kVA of Monthly Billing Demand, per KWH	5.583¢
Next 170 KWH per kVA of Monthly Billing Demand, per KWH	0.883¢
Next 150 KWH per kVA of Monthly Billing Demand, per KWH	0.440¢
All Additional KWH, per KWH	0.344¢

**Transmission Charges:**

**Energy Charge:**

First 130 KWH per kVA of Monthly Billing Demand, per KWH	1.005¢
Next 170 KWH per kVA of Monthly Billing Demand, per KWH	0.159¢
Next 150 KWH per kVA of Monthly Billing Demand, per KWH	0.079¢
All Additional KWH, per KWH	0.062¢

**Ancillary Services Charges:**

Scheduling, System Control and Dispatch Service For all kWh, per kWh	0.016¢
Reactive Supply Voltage Control from Generation Sources For all kWh, per kWh	0.028¢
Regulation and Frequency Response Service * For all kWh, per kWh	0.018¢
Operating Reserve – Spinning Reserve Service * For all kWh, per kWh	0.027¢
Operating Reserve – Supplemental Reserve Service * For all kWh, per kWh	0.013¢

**MEDIUM WATER AND WASTE WATER RATE "WR-2"**

- This service may be supplied by the Company or may be competitively supplied. This charge will not apply if the customer has demonstrated to the Company's satisfaction that the service is supplied by a Certified Supplier.

**Generation Transition Charge**

**Energy Charge:**

First 130 KWH per kVA of Monthly Billing Demand, per KWH	6.597¢
Next 170 KWH per kVA of Monthly Billing Demand, per KWH	1.043¢
Next 150 KWH per kVA of Monthly Billing Demand, per KWH	0.520¢
All Additional KWH, per KWH	0.406¢

**Regulatory Transition Charges:**

**Energy Charge:**

First 130 KWH per kVA of Monthly Billing Demand, per KWH	9.833¢
Next 170 KWH per kVA of Monthly Billing Demand, per KWH	1.555¢
Next 150 KWH per kVA of Monthly Billing Demand, per KWH	0.775¢
All Additional KWH, per KWH	0.606¢

**Generation Charge:**

**Energy Charge:**

First 130 KWH per kVA of Monthly Billing Demand, per KWH	(9.847)¢
Next 170 KWH per kVA of Monthly Billing Demand, per KWH	(0.488)¢
Next 150 KWH per kVA of Monthly Billing Demand, per KWH	0.394¢
All Additional KWH, per KWH	0.585¢

**Shopping Credit:**

The Shopping Credit values are subject to annual review and will be determined by the provisions of the Stipulation and Recommendation approved by the Commission in Case No. 99-1212-EL-ETP.

This credit applies only to customers who receive Generation services from a Certified Supplier

**Energy Charge:**

First 130 KWH per kVA of Monthly Billing Demand, per KWH	8.879¢
Next 170 KWH per kVA of Monthly Billing Demand, per KWH	1.404¢
Next 150 KWH per kVA of Monthly Billing Demand, per KWH	0.700¢
All Additional KWH, per KWH	0.547¢

**MEDIUM WATER AND WASTE WATER RATE "WR-2"**

**MINIMUM:**

The net minimum charge per month shall be the customer charge plus the applicable energy charge for one hundred (100) hours use of the monthly billing demand, including applicable adjustment charges or credits.

**TERMS OF PAYMENT:**

All bills for service shall be payable on or before the due date shown on the bill. The due date shall not be less than fourteen days after the mailing of the bill. Interest, at the rate of 1.5 percent (1.5%) per month, shall be charged on any unpaid balance existing at the next billing date for all Customers.

**ORDER OF BILLING:**

All charges and discounts shall be billed in the order in which they are presented in this tariff.

**MONTHLY BILLING DEMAND:**

The customer's monthly demand shall be the highest fifteen (15) minute kilovolt-ampere demand determined by dividing the highest kilowatt demand attained during the month by the average monthly power factor. Any leading power factor shall be considered as unity.

(1) **Off-Peak Option:**

A Full Service customer may request the installation of appropriate metering and time based recording equipment so that the Monthly Billing Demand may be determined under this optional provision. Such customer shall pay the added cost of the new metering and recording system in excess of the cost of a standard metering system for a similar customer of this rate class. There shall also be an additional Customer Charge of \$90.00 per month. Election of this option shall be for a minimum term of one year. A Full Service customer is one that receives all retail electric services from the Company.

Under this option the maximum monthly demand shall be subject to redetermination as follows:

If the customer's actual maximum monthly demand occurs during off-peak hours, the customer's maximum monthly demand for billing purposes will be the actual maximum monthly demand less three fourths (3/4) of the difference between the actual maximum monthly demand and the highest demand attained during the on-peak hours of the same month. For purposes of this calculation, off-peak hours are all hours in each day, except the hours between 0800 hours (8:00 a.m.) and 2000 hours (8:00 p.m.), Monday thru Friday, excluding legal holidays specified as exempt by the Company. These holidays are New Years Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, and Mondays which are legally designated as a day of observance in lieu of the above holidays when they occur on weekend days. For limited periods, additional days and hours may be considered off-peak at the option of the Company.

**MEDIUM WATER AND WASTE WATER RATE "WR-2"**

(2) **Minimum Billing Demands:**

The Minimum Monthly Billing Demand shall be the monthly demand but not less than:

- (a) Fifty percent (50%) of the highest monthly demand experienced within the six months period ending with the month under consideration; or
- (b) One hundred fifty (150) kilovolt-amperes; or
- (c) Forty-five (45) KVA or one hundred fifteen (115) KVA for those customers having demands less than one hundred fifty (150) KVA and who are receiving service at 4000 volts and higher on the effective date of this rate; corresponding to 40 KW and 100 KW as was in effect for them at the time of the signing of their contract on this rate's predecessors.

(3) In the event the characteristics of the customer's load are highly fluctuating as in the case of elevators, hoists, cranes and similar equipment, the Monthly Billing Demand in kilovolt-amperes shall be sixty percent (60%) of the horsepower nameplate rating of the equipment.

(4) The Company may, at its option, determine the demand and/or power factor continuously, monthly or at other regular intervals.

(5) In the event the Company, in order to prevent voltage fluctuations or disturbances on its system, requires the customer to install a separate transformer or transformers to provide service for X-ray machines, welders, and other equipment having similar characteristics, such service shall be metered and billed separately from the customer's other service. The Monthly Billing Demand in kilovolt-amperes for such separate service shall be seventy percent (70%) of the kilovolt-ampere nameplate rating of the Company's standard size transformers required.

**TRANSFORMER DISCOUNT:**

A discount on the demand charge of fifty-two cents (52 cents) per month per kilovolt-ampere of Monthly Billing Demand will be made to any customer taking service at 4000 volts or higher who furnishes all transformer equipment. Any customer whether served at secondary or primary voltage and receiving a discount as of the effective date of this rate for having installed his own transformers will continue receiving this discount.

**PRIMARY SERVICE DISCOUNT:**

A discount on the net bill, excluding all applicable riders, of three and one-half percent (3 1/2%) will be made to any customer receiving primary service and owning the substation, in compliance with the Terms and Conditions section of this rate.

**DELIVERY VOLTAGE:**

(1) **Secondary Service:**

This service covers the supply of three phase, 60 Hertz alternating current, at the Company's standard secondary voltages, and those who, as of the effective date of this rate, are served at 4000 volts or higher primary but are not supplying their own substations.

**MEDIUM WATER AND WASTE WATER RATE "WR-2"**

(2) **Primary Service:**

This service covers the supply of three phase, 60 Hertz, alternating current at no less than 4000 volts for customers owning the substation. No additional installations at 4160 volts in the Company's present underground district or any extension thereof, will be served at this rate.

All current on this service will be measured at the service voltage of 4000 volts or higher. The Company shall have the option of metering at secondary voltage and adjusting to a primary metering basis by the use of compensating meters or by estimate based on the rated transformer losses.

**TERMS AND CONDITIONS:**

- (1) Service under this rate is supplied in accordance with the Rules and Regulations of the Company and is subject to the jurisdiction of the Public Utilities Commission of Ohio.
- (2) The Company will construct the primary voltage line to the customer's property line and will furnish and install the first span of conductors on the customer's property to the customer's structure.

In the event that more than one span of primary voltage circuit is required on the customer's property, the customer will furnish, install, own and maintain the necessary structures, conductors, and related primary voltage line equipment.

The design and construction of all such facilities shall be subject to the Company's approval.

- (3) Substation facilities necessary for utilization of power as delivered to the customer's premises shall be the responsibility of the customer. Such facilities shall include (but shall not be limited to) protective fences, supporting structures, line voltage bus, transformers, switchgear, protective devices, voltage regulators, etc., required to receive, transform and deliver service to the customer's utilization equipment.

The design and construction of the substation and the rating and specifications of the electrical equipment shall be subject to approval by the Company.

When, in the judgment of the Company, circuit breakers are required in the customer's substation for assuring the continuity of service to the customer or for the protection of service to other customers, the customer shall furnish, install, own and maintain such circuit breakers with rating as specified by the Company.

- (4) The customer shall provide, without charge to the Company, the necessary space, structure and foundations for the Company's metering equipment and instruments.
- (5) The Company shall have access to the premises at all times. All equipment furnished by the Company shall be and remain the property of the Company.

**MEDIUM WATER AND WASTE WATER RATE "WR-2"**

- (6) The customer shall provide all equipment necessary to regulate his operations so that the Company's primary voltage shall not be subject to excessive variation.
- (7) For the protection of the Company's facilities, the customer may be required to furnish, install, and maintain a load limiting device approved by and under the sole control of the Company.
- (8) Where the customer desires lighting service incidental to his power requirements such service may be purchased under this rate provided the customer furnishes the additional transformers and all other equipment necessary. All such incidental lighting shall be metered through the power meter.
- (9) The customer shall use extraordinary care in so designing his circuits that the loads on the individual phases shall be practically balanced at all times.

**TERMS OF SERVICE & CONTRACT:**

The term of contract shall be for five years from date of application with a self-renewal provision for successive periods of two years each until either party shall give at least one year written notice to the other of its intention to discontinue at the end of any period. If it is determined that said service location no longer qualifies, billing under this tariff will cease upon thirty (30) days advance written notice filed by the Company with the Customer.

**EXCISE TAX:**

Monthly bills for electric service to all non-Federal Government Customers shall be increased by 4.9869%.

**APPLICABLE RIDERS:**

Rates and charges specified above shall be modified in accordance with provisions of the following applicable Riders in the order shown.

Universal Service	Rider No. 11	Sheet No. 90
Temporary Rider for EEF	Rider No. 12	Sheet No. 91
Net Energy Metering	Rider No. 14	Sheet No. 93
State kWh Tax Self-Assessor Credit Rider	Rider No. 15	Sheet No. 94