

P.U.C.O. NO. 20

TERMS AND CONDITIONS OF
OPEN ACCESS DISTRIBUTION SERVICE

12. CONFIDENTIALITY OF INFORMATION

All confidential or proprietary information made available by one party to the other in connection with the registration of a CRES Provider with the Company and/or the subsequent provision and receipt of service under these Supplier Terms and Conditions of Service, including but not limited to load data, and information regarding the business processes of a party and the computer and communication systems owned or leased by a party, shall be used only for purposes of registration with the Company, receiving or providing service under these Supplier Terms and Conditions of Service and/or providing Competitive Retail Electric Service to customers in the Company's service territory. Other than disclosures to representatives of the Company or the CRES Provider for the purposes of enabling that party to fulfill its obligations under these Supplier Terms and Conditions of Service or for the CRES Provider to provide Competitive Retail Electric Service to customers in the Company's service territory, a party may not disclose confidential or proprietary information without the prior authorization and/or consent of the other party.

The CRES Provider shall keep all customer-specific information supplied by the Company confidential unless the CRES Provider has the customer's written authorization to do otherwise.

13. LOSSES

Either the CRES Provider or the Transmission Provider may provide both transmission and distribution losses as required to serve customers at various delivery voltages. If a CRES Provider arranges to provide transmission losses under the provisions of the applicable Open Access Transmission Tariff, then the CRES Provider must also arrange for the appropriate distribution losses. Customers served at transmission and subtransmission voltages require no additional losses other than the losses specified in the applicable Open Access Transmission Tariff. Customers served at primary distribution voltage require 2.0% additional average losses of amounts received by the Company for delivery to the customer. Customers served at secondary distribution voltage require 5.4% additional average losses of amounts received by the Company for delivery to the customer.

14. METER SERVICE PROVIDERS (MSPs)

MSPs desiring to provide service to customers in the Company's Service Territory must submit a written application to the Company in order to provide metering services for ownership, installation, inspection and auditing. Such application shall include the following:

- a. A \$500.00 initial registration fee payable to the Company and a \$100.00 annual registration fee thereafter.
- b. Proof of creditworthiness to the Company, including an appropriate financial instrument to be held by the Company and used in the event of damages as a result of the MSP's actions.
- c. The name of the MSP, business and mailing addresses, and the names, telephone numbers and e-mail addresses of appropriate contact persons, including the 24-hour emergency contact telephone number and emergency contact person(s).
- d. Details of the MSP's dispute resolution process for customer complaints.

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- e. A signed statement by the officer(s) of the MSP committing it to adhere to the Company's open access distribution schedules, Terms and Conditions of Open Access Distribution Service, Supplier Terms and Conditions of Service and any additional requirements stated in any agreement between the MSP and the Company regarding services provided by either party.
- f. Proof of an electrical subcontractor's license issued by the Ohio Department of Commerce, including the name of the person or entity to which the license has been issued, license number and expiration date. Certification may require an employee to be a licensed electrician in the service area where work is performed.
- g. Description of the (a) applicant's electric meter installation, maintenance, repair and removal experience, (b) applicant's training and experience regarding electrical safety and (c) educational and training requirements in electrical work and safety that the MSP will require from its employees before they are permitted to install, maintain, repair or remove electric meters or metering devices.

The MSP must also agree to the following standards for metering services:

- a. The Company must approve the type of any and all metering equipment to be installed. Such metering and practices must conform with the Company's metering service guides and standards and must comply with the Meter Testing provision of the Company's Terms and Conditions of Open Access Distribution Service. A written agreement between the Company and the MSP shall specify those categories or types of meters for which the MSP is certified to install/remove or test/maintain.
- b. The MSP shall allow the Company to disconnect the MSP's meter, or promptly perform a disconnection as notified by the Company where a customer's service is subject to disconnection due to non-payment of distribution charges. The Company shall be permitted to audit the meter accuracy of MSP meters and to disconnect or remove a MSP's meter when necessary to maintain the safe and reliable delivery of electrical service. The MSP is responsible to acquire the right of ingress and egress from the customer to perform its functions. When necessary, the MSP must also seek written approval and secure from the customer any keys necessary to access locked premises.
- c. The MSP is responsible for detecting and immediately notifying the Company of hazardous conditions noted at the customer's electrical service and meter installation.
- d. The MSP is responsible for recording and notifying the Company of conditions detected on the customer's premises which present potential for injury.
- e. The MSP shall be responsible for conforming to Company standards for sealing and resealing meters as well as properly resetting and sealing demand measurement devices.

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15. METER DATA MANAGEMENT AGENTS (MDMAs)

MDMAs desiring to provide service to customers in the Company's Service Territory must submit a written application to the Company in order to provide any meter reading or data management services. Such application shall include the following:

- a. A \$100.00 annual registration fee payable to the Company.
- b. Proof of creditworthiness to the Company, including an appropriate financial instrument to be held by the Company and used in the event of damages as a result of the MDMA's actions.
- c. The name of the MDMA, business and mailing addresses, and the names, telephone numbers and e-mail addresses of appropriate contact persons, including the 24-hour emergency contact telephone number and emergency contact person(s).
- d. Details of the MDMA's dispute resolution process for customer complaints.
- e. A signed statement by the officer(s) of the MDMA committing it to adhere to the Company's Open Access Distribution Schedules, Terms and Conditions of Open Access Distribution Service, Supplier Terms and Conditions of Service and any additional requirements stated in any agreement between the MDMA and the Company regarding services provided by either party.
- f. Description of the (a) applicant's experience in meter reading, data validation, editing and estimation, and other data management activities and (b) educational and training requirements that the MDMA will require from its employees before they are permitted to perform such meter reading, data validation, editing and estimating and other data management activities.

The MDMA must also agree to the following standards for meter data management services:

- a. All billing meters shall be read each month, unless otherwise mutually agreed to by the MDMA and the Company.
- b. Meter data shall be read, validated, edited and transferred pursuant to Commission and Company approved standards. The Company and the MDMA must agree to common data formats for the exchange of validated data.
- c. The Company shall have reasonable access to the MDMA data server.
- d. The MDMA shall provide to the appropriate entities reasonable and timely access to meter data as required for billing, settlement, scheduling, forecasting and other functions.

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- e. The MDMA shall retain the most recent twelve (12) months of data for any customer who elects the MDMA to perform meter reading and data management services. Such data must be retained for a minimum period of 36 months and must be released upon request to either the customer or an entity authorized by the customer.
- f. Within five (5) business days after the installation of a meter, the MDMA must confirm with the Company that the meter and meter reading system are working properly and that the billing data is valid.
- g. No more than 10% of the individual meters read by the MDMA shall contain estimated data, with no single account being estimated more than two consecutive months. Estimated data must be based on historical data and load profile data as provided by the Company.
- h. The MDMA shall comply with the Company's time requirements for the posting of validated meter reading data on the MDMA server.
- i. The MDMA is responsible for acquiring the right of ingress and egress from the customer to perform its functions. When necessary, the MDMA must also seek written approval and secure from the customer any keys necessary to access locked premises.
- j. The MDMA is responsible for identifying suspected cases of the unauthorized use of energy and shall report such concerns to the customer's CRES Provider, Transmission Provider and the Company. The CRES Provider shall resolve such concerns and pursue the appropriate legal response and all necessary parties shall support this action. The customer's supplier of meter services (MSP or the Company) shall make the necessary meter corrections and/or repairs, and then notify the MDMA who shall correct the previous meter usage data and provide to the appropriate entities such data as required for billing, settlement, scheduling, forecasting and other functions. Any billing corrections shall be consistent with the provisions of the Company's Terms and Conditions of Service for Open Access Distribution Service.
- k. The MDMA is responsible for detecting and immediately notifying the Company of hazardous conditions noted at the customer's electrical service and meter installation.
- l. The MDMA is responsible for recording and notifying the Company of conditions detected on the customer's premises which present potential for injury.
- m. The MDMA shall be responsible for conforming to Company standards for sealing and resealing meters as well as properly resetting and sealing demand measurement devices.

16. CONSOLIDATED BILLING BY A BILLING AGENT (BA)

BAs desiring to provide service to customers in the Company's Service Territory must submit a written application to the Company in order to provide consolidated billing related services to customers. Such application shall include the following:

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- a. A \$100.00 annual registration fee payable to the Company.
- b. Proof of creditworthiness to the Company, including an appropriate financial instrument to be held by the Company and used in the event of damages as a result of the BA's actions.
- c. The name of the BA, business and mailing addresses, and the names, telephone numbers and e-mail addresses of appropriate contact persons, including the 24-hour emergency contact telephone number and emergency contact person(s).
- d. Details of the BA's dispute resolution process for customer complaints.
- e. A signed statement by the officer(s) of the BA committing it to adhere to the open access distribution schedules, Terms and Conditions of Open Access Distribution Service, Supplier Terms and Conditions of Service and any additional requirements stated in any agreement between the BA and the Company regarding services provided by either party.
- f. Description of the (a) applicant's training and experience in billing collections, payment services and billing inquiries and (b) educational and training requirements for BA employees regarding such services.
- g. The Company and the BA must agree to common data formats for the exchange of billing data.

A written agreement between the Company and the BA shall specify the bill format regarding transmission and distribution related services. Regardless of such format, each customer's bill rendered by the BA shall show charges for generation, transmission, distribution and other services covered under the particular bill and also indicate the provider of each service.

The BA must agree to be subject to the same provisions as the Company, including requirements as specified in the Company's Open Access Distribution Schedules, Terms and Conditions of Open Access Distribution, Ohio Revised Code, and all other legislative and regulatory mandates regarding billing. The BA is responsible for electronically transmitting funds received from the customer for charges from Company for distribution service, together with the associated customer account data, on the same day as receiving said funds. The BA assumes responsibility for outstanding distribution service charges from the Company and is responsible for providing payment in full of all charges for distribution service from the Company by the due date in accordance with terms of the applicable open access distribution schedule. Failure of the BA to transmit such funds by the due date will result in late charges applied to the affected customer's account according to the provisions of the customer's open access distribution schedule. If the BA fails to provide payment to the Company by the due date of the next bill, the Company will thereafter directly bill the customer for distribution service from the Company. In addition, the financial instrument will be forfeited to the extent necessary to cover bills due and payable to the Company.

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17. CONSOLIDATED BILLING BY THE COMPANY

Upon request, the Company will offer Company-issued consolidated bills to customers receiving service from a CRES Provider upon execution of an appropriate agreement between the CRES Provider and the Company. Company-issued consolidated billing will include budget billing as an option. The CRES Provider must electronically provide all information in a bill-ready format.

At the Company's discretion, any customer receiving Company consolidated billing with a CRES Provider billing arrearage of more than 60 days may be switched back to the Company's Standard Offer Service or if the customer has elected to be exempt from the POLR rider, in that case the customer will be returned to the applicable Market Based Service schedule, and will not be permitted to select a new CRES Provider until the arrearage is paid.

If the customer's CRES Provider defaults, the Company reserves the right to retain payments collected from the customer and to apply such payments to the Company's charges.

18. METERING AND LOAD PROFILING

All customers with maximum monthly billing demands of 200 kW or greater for the most recent twelve (12) months shall be interval metered. The customer or the customer's CRES Provider may request an interval meter for customers with maximum monthly billing demands less than 200 kW.

The cost of any interval metering facilities installed by the Company to comply with this requirement or as a result of such request shall be paid by the customer. The customer shall make a one-time payment for the metering facilities at the time of installation of the required facilities, or at the customer's option, up to 24 consecutive equal monthly payments reflecting an annual interest charge as determined by the Company, but not to exceed the cost of the Company's most recent issue of long-term debt. If the customer elects the installment payment option, the Company shall require an initial payment equal to 25% of the total cost of the metering facilities.

In addition, the customer shall pay a net charge to cover the incremental cost of operation and maintenance and meter data management associated with such interval metering as follows: Charges are for service performed on a Company installed standard interval meter.

| Service Performed During Normal Business Hours | Charge (\$) |
|--|-------------|
| Connect phone line to meter at a time other than the initial interval meter installation | 57.00 |
| Perform manual meter reading | 43.00 |
| Check phone line and perform manual meter reading due to communication loss | 47.00 |
| Repair/replace surge protector | 119.00 |
| Repair/replace interval board | 121.00 |
| Repair/replace modem board | 210.00 |
| Repair/replace interval and modem boards | 260.00 |

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The customer or the customer's CRES Provider may select a meter from the Company's approved equipment list. The customer or the customer's CRES Provider may communicate with the meter for the purpose of obtaining usage data, subject to the Company's communication protocol. The customer is responsible for providing a dedicated analog telephone line for purposes of reading the meter.

A customer that is required to have interval metering and provide a dedicated analog telephone line must have both the interval meter and dedicated analog telephone line installed and operational before a CRES Provider may serve such customer. Any DASR submitted by a CRES Provider will be rejected if this requirement is not met.

All load profiling shall be performed by the Company. Sample data and customer specific interval metering, when available, will be used in the development of the total load profile for which a CRES Provider is responsible for providing generation and possibly arranging transmission services. Such data shall be provided to the BA or other entities as required for monthly billing.

19. DEPOSITS

Security for the payment of bills for service from a CRES Provider will be governed, as specified in Chapter 4901:1-21-07 of the Ohio Administrative Code, which is herein incorporated by reference as it is from time to time amended.

20. PAYMENTS

Partial payment from a customer shall be applied to the various portions of the customer's total bill in the following order: (a) past due distribution, Standard Offer Service generation and transmission charges, (b) past due CRES Provider charges, (c) current CRES Provider charges, (d) current distribution, Standard Offer Service generation and transmission charges, and (e) other past due and current non-regulated charges.

21. COMPANY'S LIABILITY

In addition to the Company's liability as set forth in the Company's Terms and Conditions of Open Access Distribution Service, the following shall apply. The Company shall use reasonable diligence in delivering regular and uninterrupted supply of energy to the customer, but does not guarantee continuous, regular and uninterrupted service. The Company may, without liability, interrupt or limit the supply of service for the purpose of making repairs, changes, or improvements in any part of its system for the general good of the service or the safety of the public or for the purpose of preventing or limiting any actual or threatened instability or disturbance of the system. The Company is also not liable for any damages due to accident, strike, storm, riot, fire, flood, legal process, state or municipal interference, or any other cause beyond the Company's control. The Company shall not be liable for damages in case such service should be interrupted or fail by reason of failure of the customer's CRES Provider to provide appropriate energy to the Company for delivery to the customer. The Company shall not be liable for any damages, financial or otherwise, to any of the customer's CSPs resulting from an interruption of service.

Meters shall be provided and maintained by the Company unless the customer selects a MSP to provide metering services. Unless otherwise specified, such meters shall be and remain the property of the Company.

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22. COMPETITIVE SERVICE PROVIDER'S LIABILITY

In the event of loss or injury to the Company's property through misuse by, or negligence of, the CRES Provider, MSP, MDMA or BA, or the CSP's agents and employees, the CSP shall be obligated and shall pay to the Company the full cost of repairing or replacing such property.

Unless authorized by the Company to do so, a CSP and its agents and employees shall not tamper with, interfere with or break the seals of meters or other equipment of the Company installed on the customer's premises, and, under any circumstances, the CSP assumes all liability for the consequences thereof. The CSP agrees that no one, except agents and employees of the Company, shall be allowed to make any internal or external adjustments to any meter or other piece of apparatus which belongs to the Company.

23. METER ACCURACY AND TESTS

A MSP's meter performance levels, testing methods and test schedules must comply with all standards specified by the Company. Such details shall be specified in the agreement between the Company and the MSP.

When metering is provided by an MSP, the Company may, at its discretion, direct meter-related inquiries from the customer to the MSP for response, or the Company may send notification to the MSP to perform a test of the accuracy of its meter. At the MSP's request, or should the MSP fail to perform a customer-requested test in a timely manner, the Company, at its discretion, may agree to test the accuracy of a meter supplied by the MSP. Regardless of the test results, the MSP shall pay to the Company a flat amount equal to the Company's current average cost of performing such meter tests. Such test will be conducted using a properly calibrated meter standard.

The Company, at its discretion, may perform a test of the accuracy of a meter supplied by the MSP at any time. If the meter fails to perform at the accuracy standards set forth in the Company's Terms and Conditions of Open Access Distribution Service, the MSP will be responsible to remedy the accuracy of the meter, and to pay to the Company a flat amount equal to the Company's current average cost of performing such meter tests.

24. BILLING CORRECTIONS

Any correction of bills due to a meter registration error must be coordinated with the other entities utilizing the billing data which is in error. Any entity which detects an error in billing data shall promptly notify the MDMA or the Company if it is performing the function of the MDMA. The MDMA shall then correct any necessary data and provide to the appropriate entities such data as required for billing, settlement, scheduling, forecasting and other functions. Any billing corrections shall be consistent with the provisions of the Company's Terms and Conditions of Open Access Distribution Service.

25. TERMINATION OR SUSPENSION OF A CRES PROVIDER

Notwithstanding any other provision of this Tariff or any agreement between the Company and the CRES Provider, in the event of a default by the CRES Provider, the Company shall serve written notice of such default in reasonable detail and with a proposed remedy to the CRES Provider

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and the Commission. On or after the date the default notice has been served, the Company may file with the Commission a written request for authorization to terminate or suspend the service agreement between the Company and the CRES Provider. Except for default due to non-delivery, if the Commission does not act within ten (10) business days upon receipt of the request, the Company's request to terminate or suspend shall be deemed authorized on the eleventh (11th) business day. If the default is due to non-delivery, and if the Commission does not act within five (5) business days upon receipt of the request, the Company's request to terminate or suspend shall be deemed authorized on the sixth (6th) business day. Termination or suspension shall require authorization from the Commission.

The Company shall send notices pursuant to this section by e-mail, fax, overnight mail, or hand delivery to the Commission and Staff at the Commission's offices. The Company shall notify all Commissioners, the Chief of Staff, the Director of the Consumer Services Department, the Director of the Utilities Department, the Director of the Legal Department, and the Chief of the Attorney General's Public Utilities Section. The Company shall send the notice to the address and fax number provided by the CRES Provider in its service agreement with the Company.

32. CODE OF CONDUCT

1. The Company shall not release any proprietary customer information (e.g., individual customer load profiles or billing histories) to an affiliate, or otherwise, without the prior authorization of the customer, except as required by a regulatory agency or court of law.
2. The Company shall make customer lists, which include name, address and telephone number, available on a nondiscriminatory basis to all nonaffiliated and affiliated certified retail electric competitors transacting business in its service territory, unless otherwise directed by the customer. This provision does not apply to customer-specific information, obtained with proper authorization, necessary to fulfill the terms of a contract, or information relating to the provision of general and administrative support services.
3. Employees of the Company's affiliates shall not have access to any information about the Company's transmission or distribution systems (e.g., system operations, capability, price, curtailments, and ancillary services), that is not contemporaneously and in the same form and manner available to a nonaffiliated competitor of retail electric service.
4. The Company shall treat as confidential all information obtained from a competitive supplier of retail electric service, both affiliated and nonaffiliated, and shall not release such information unless a competitive supplier provides authorization to do so, or unless the information was or thereafter becomes available to the public other than as a result of disclosure by the company.
5. The Company shall not tie (nor allow an affiliate to tie) or otherwise condition the provision of the Company's regulated services, discounts, rebates, fee waivers, or any other waivers of the Company's ordinary terms and conditions of service, including but not limited to tariff provisions, to the taking of any goods and/or services from the Company's affiliates.

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- 6. The Company shall not engage in joint advertising or marketing of any kind with its affiliates or directly promote or market any product or service offered by any affiliate. The Company shall also not give the appearance that the Company speaks on behalf of its affiliates or that the customer will receive preferential treatment as a consequence of conducting business with the affiliates.
- 7. The Company, upon request from a customer, shall provide a complete list of all suppliers operating on the system, but shall not endorse any suppliers nor indicate that any supplier will receive preference because of an affiliate relationship.
- 8. The Company shall not trade upon, promote or advertise its affiliate relationship nor allow the Company name or logo to be used by the affiliate in any material circulated by the affiliate, unless it discloses in plain legible or audible language, on the first page or at the first point where the utility name or logo is mentioned, that:
 - a. The affiliate is not the same company as the Company;
 - b. The affiliate is not regulated by the Commission; and
 - c. The customer does not have to buy the affiliate's products in order to continue to receive quality, regulated service from the Company.

The application of the name/logo disclaimer is limited to the use of the name or logo in Ohio.

- 9. The Company shall provide comparable access to products and services related to tariffed products and services and specifically comply with the following:
 - (a) The Company shall be prohibited from unduly discriminating in the offering of its products and/or services;
 - (b) The Company shall apply all tariff provisions in the same manner to the same or similarly situated entities, regardless of any affiliation or nonaffiliation;
 - (c) The Company shall not, through a tariff provision, a contract, or otherwise, give its affiliates preference over nonaffiliated competitors of retail electric service or their customers in matters relating to any product and/or service;
 - (d) The Company shall strictly follow all tariff provisions;
 - (e) Except to the extent allowed by state law, the Company shall not be permitted to provide discounts, rebates, or fee waivers for any state regulated monopoly service; and
 - (f) Violations of the provisions of this rule shall be enforced and subject to the disciplinary actions described in divisions (C) and (D) of Section 4928.18, Ohio Revised Code.
- 10. Notwithstanding any provision of this Code of Conduct, in a declared emergency situation, the Company may take actions necessary to ensure public safety and system reliability. The Company shall maintain a log of all such actions that do not comply with this Code of Conduct, which log shall be review by the Commission.

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11. The Company shall establish a complaint procedure for the issues concerning compliance with this rule. All complaints, whether written or verbal, shall be referred to the general counsel of the Company or their designee. The legal counsel shall orally acknowledge the complaint within five (5) business days of its receipt. The legal counsel shall prepare a written statement of the complaint that shall contain the name of the complainant and a detailed factual report of the complaint, including all relevant dates, companies involved, employees involved, and the specific claim. The legal counsel shall communicate the results of the preliminary investigation to the complainant in writing within thirty (30) days after the complaint was received, including a description of any course of action that was taken. The legal counsel shall keep a file in the Cost Allocation Manual, of all such complaint statements for a period of not less than three (3) years. This complaint procedure shall not in any way limit the rights if a party to file a complaint with the Commission.

33. MINIMUM REQUIREMENTS FOR DISTRIBUTION SYSTEM INTERCONNECTION

Applicability

This schedule is applicable to any customer with cogeneration, small power production facilities, and/or other on-site facilities producing electrical energy who wishes to operate such facilities in parallel with the Company's distribution system at voltages up to 35 kV. This schedule is not applicable to the interconnection and parallel operation of facilities which the Federal Energy Regulatory Commission has determined to be subject to its jurisdiction. A customer who has a facility that does not qualify for simplified interconnection pursuant to the PUCO's distribution interconnection rules (O.A.C. § 4901:1-22) (Commission Rules) and the Company's technical requirements for interconnection (Technical Requirements), incorporated herein by reference, may negotiate a separate interconnection agreement with the Company and the terms and conditions of this schedule shall apply to such customers to the extent that the negotiated interconnection agreement does not conflict with this schedule.

Purpose

The purpose of this schedule 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 schedule states the terms and conditions that govern the interconnection and parallel operation of a customer's facility with the Company's distribution system.

Customer Request For Interconnection

Any 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 and sign an interconnection agreement with the Company. For facilities for which the referenced Technical Requirements are applicable, the customer and Company shall execute a simplified interconnection agreement. For all other facilities, the customer and the Company shall execute an interconnection agreement which may be different from the simplified agreement, but which shall conform with the provisions of this schedule, to the extent applicable. Copies of all applicable forms and the Company's Technical Requirements are available upon request.

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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 review procedure contained in the Commission Rules, interconnection shall be permitted within four weeks of the Company's receipt of a completed interconnection application in compliance with the terms and conditions of this schedule. Prior to actual interconnection, the 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 customer, in a timely fashion, an estimate of the schedule and the customer's cost for the construction or upgrades. If the customer desires to proceed with the construction or upgrades, the 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 customer's costs for construction or upgrades. Assuming the customer is ready, the interconnection 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.
3. All interconnection applications shall be processed by the Company in a nondiscriminatory manner. The Company shall promptly provide the 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 or respond by Email within three business days after the application has been received by the Company's personnel designated on the application form. The Company shall provide the customer with a copy of the review 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 the Commission Rules. 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; or any other substantive change.
4. If the Company determines that it cannot connect the customer's facility within the time frames required by the Commission Rules, the Company will notify the customer in writing of that fact as soon as possible. The notification will identify the reason or reasons the interconnection could not be completed within the time frames stated, and provide an estimated date for completion. This section shall not limit the rights of a customer for relief under Ohio Revised Code Chapter 4905.

Technical Requirements

The Company shall maintain a copy of the Technical Requirements at its business office such that the Technical Requirements are readily available to the public. The Company shall provide

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TERMS AND CONDITIONS OF
OPEN ACCESS DISTRIBUTION SERVICE

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 not be subject to that standard. 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 customers. All Technical Requirements, including superseding standards adopted by IEEE, are incorporated herein by reference.

Metering

Any metering installation, testing, or recalibration required by the installation of the customer's generation facilities 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).

Liability Insurance

Prior to interconnection with the Company, the 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 schedule. At no time shall the Company require that the applicant negotiate any policy or renew any policy covering any liability through a particular insurance company, agent, solicitor, or broker. The Company's receipt of evidence of liability insurance does not imply an endorsement of the terms and conditions of the coverage.

System Impact and Facilities Studies

For those facilities that do not qualify for simplified interconnection pursuant to the review procedure included in the Commission Rules, the Company may require a supplemental review, 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 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 schedule. The Company shall provide the customer 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 customer.

Interconnection Fees

The Company shall not charge any fees for interconnection other than those authorized by this schedule. Fees contained herein apply to each installation at the Company's distribution voltages up to 35 kV.

The Company shall charge each customer that applies for interconnection service an application fee as set forth in the Commission Rules. Fees for customer applications for interconnection that meet

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the qualifications for level 1, level 1.1 or level 1.2 simplified review procedures will be based on the actual costs per one-tenth of an hour of time spent by Company personnel on the simplified review. Customer applications for interconnection that meet the qualifications for level 2 expedited review will be subject to an application fee of \$50.00, plus one dollar per kilowatt of the applicant's system nameplate capacity rating. Interconnection customers whose facilities qualify for level 3 standard review procedures shall pay an application fee of \$100.00, plus two dollars per kilowatt of the applicant's system nameplate capacity rating.

Level 2 and level 3 interconnection review processes may require that one or more interconnection studies be performed to determine the feasibility, system impact, and cost of safely connecting the customer's generation facilities to the Company's distribution system. As specified in the Commission Rules, the cost of engineering work done as part of any feasibility, system impact or facilities study shall be billed to the customer at the Company's actual cost of performing such study.

Additional Fees

The customer is responsible for all equipment and installation costs of the customer's facility.

The customer shall pay any additional charges, as determined by the Company, for equipment, labor, metering, testing or inspections requested by the customer.

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 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 customer may negotiate for alternatives in order to reduce any costs or taxes applicable thereto.

Resolution of Disputes

The Company or the customer who is a non-mercantile, non-residential customer may seek resolution of any disputes which may arise out of this schedule, including the interconnection and the referenced Technical Requirements in accordance with the Commission Rules.

Special Terms and Conditions of Service

This schedule is subject to the Company's Terms and Conditions of Open Access Distribution Service and all provisions of the OAD service schedule under which the customer takes service. If applicable, the customer shall also take the appropriate service under the provisions of Schedule OAD-SBS and/or Schedule OAD-NEMS.

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Applicable Supply and Delivery Riders

| Rider Description | Supply | Delivery | Sheet No. |
|---|--------|----------|-----------|
| Universal Service Fund Rider | Yes | Yes | 60-1D |
| KWH Tax Rider | Yes | Yes | 62-1D |
| Provider of Last Resort Charge Rider | Yes | Yes | 69-1D |
| Electronic Transfer Rider | Yes | Yes | 70-1D |
| Monongahela Power Litigation Termination Rider | Yes | Yes | 73-1D |
| Transmission Cost Recovery Rider | Yes | | 75-1D |
| Fuel Adjustment Clause Rider | Yes | | 80-1D |
| Energy Efficiency and Peak Demand Reduction Cost Recovery Rider | Yes | Yes | 81-1D |
| Economic Development Cost Recovery Rider | Yes | Yes | 82-1D |
| Enhanced Service Reliability Rider | Yes | Yes | 83-1D |
| gridSMART™ Rider | Yes | Yes | 84-1D |
| Environmental Investment Carrying Cost Rider | Yes | | 85-1D |
| Deferred Asset Recovery Rider | Yes | Yes | 87-1D |
| Standard Offer Generation Service Rider | Yes | | 88-1D |
| Distribution Investment Rider | Yes | Yes | 89-1D |

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OHIO POWER COMPANY

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P.U.C.O. NO. 20

SCHEDULE OAD - RS
(Open Access Distribution - Residential Service)

Availability of Service

Available for residential electric service through one meter to individual residential customers who request and receive electric generation service from a qualified CRES Provider.

Monthly Rate (Schedule Code 820)

| | |
|------------------------|-------|
| Customer Charge (\$) | 8.40 |
| Energy Charge (¢/KWH): | 2.140 |

Minimum Charge

The minimum monthly charge under this schedule shall be the sum of the customer charge and all applicable riders.

Transmission Service

Transmission service for customers served under this schedule will be made available under the terms and conditions contained within the applicable Open Access Transmission Tariff as filed with the Federal Energy Regulatory Commission and as specified in the Company's Terms and Conditions of Open Access Distribution Service.

Metering and Billing Options

The customer has the option of selecting the Company and/or an alternative supplier for metering, meter data management or billing services. Such services provided to the customer by an alternative supplier must be arranged through the CRES Provider who provides energy services to the customer. Unless the customer explicitly designates otherwise, the Company shall continue to provide such services.

1. An alternative provider of metering services must be registered with the Company as a qualified Meter Service Provider (MSP) as specified in the Company's Supplier Terms and Conditions of Service. The MSP shall be responsible for providing, installing and maintaining the billing meter. Such metering must be of a type approved by the Company and must meet the Company's standards for safety, reliability and accuracy. The Company's meter must be removed by qualified personnel and returned to the Company at either the expense of the MSP or the customer. Once the Company's meter has been received and inspected by the Company, then a credit of \$0.11/month shall apply.

If the customer has received metering services from an MSP and subsequently elects to have the Company once again provide, install and maintain the metering, then the customer shall pay a one-time charge based on the type of meter required.

2. An alternative provider of meter data management services must be registered with the Company as a qualified Meter Data Management Agent (MDMA) as specified in the Company's Supplier Terms and Conditions of Service. The MDMA shall be responsible for the collection of metered data and for providing data to the Company and other entities as required for billing purposes.

(Continued on Sheet No. 10-2D)

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SCHEDULE OAD - RS
(Open Access Distribution - Residential Service)

3. A provider of consolidated billing must be registered with the Company as a qualified Billing Agent (BA) as specified in the Company's Supplier Terms and Conditions of Service. The BA shall then provide to the customer a consolidated monthly bill specifying the supplier and charges for generation, transmission, distribution and other services. Unless the customer chooses a BA to provide a consolidated bill, or the customer's CRES Provider has made arrangements with the Company to provide a Company-issued consolidated bill, the Company will provide a separate billing for distribution services under the provisions of this schedule.

Payment

1. Bills from the Company are due and payable in full by mail, checkless payment plan, electronic payment plan, or at an authorized payment agent of the Company within 15 days after the mailing of the bill.
2. Should a partial payment be made in lieu of the total payment of the amount owed to the Company, the payment provisions of this schedule shall apply. If a partial payment is made, such partial payment shall be applied to the various portions of the customer's bill in the following order: (a) past due CRES Provider charges, (b) past due distribution, Standard Offer Service generation and transmission charges, (c) current distribution, Standard Offer Service generation and transmission charges, (d) current CRES Provider charges, and (e) other past due and current non-regulated charges.
3. If the BA fails to provide payment to the Company by the date of the next monthly bill, the Company will thereafter directly bill the customer for distribution service. In addition, the financial instrument, as specified in the Supplier Terms and Conditions of Service, will be forfeited to the extent necessary to cover bills due and payable to the Company. Any remaining unpaid amounts and associated fees are the responsibility of the customer.

Applicable Riders

Monthly charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on Sheet No. 4-1D.

Term of Contract

A written agreement may, at the Company's option, be required.

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Open Access Distribution Service.

This schedule is available to customers engaged in agricultural enterprises where service is taken through one meter for that customer's primary residence, and not more than 100 KW of connected electrical load is outside the residence. This schedule is not extended to operations of a commercial nature or operations such as processing, preparing, or distributing products not raised or produced on the farm, unless such operation is incidental to the usual residential and farm uses.

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Original Sheet No. 10-3D

P.U.C.O. NO. 20

SCHEDULE OAD - RS
(Open Access Distribution - Residential Service)

This schedule is intended for single-phase service. Where the residential customer requests three-phase service, this schedule will apply if the residential customer pays to the Company the difference between constructing single-phase service and three-phase service. Where motors or heating equipment are used for commercial or industrial purposes, the applicable general service schedule will apply to such service.

Customers with cogeneration, small power production facilities, and/or other on-site sources of electrical energy supply shall take any required distribution service under Schedule OAD - SBS or Schedule OAD - NEMS.

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P.U.C.O. NO. 20

SCHEDULE OAD - GS-1
(Open Access Distribution - General Service - Small)

Availability of Service

Available for general service to secondary customers with maximum demands less than 10 kW and who request and receive electric generation service from a qualified CRES Provider.

Monthly Rate (Schedule Codes 830, 835) Non-Demand Metered

| | |
|-----------------------------|-------|
| Customer Charge (\$) | 7.85 |
| Distribution Charge (¢/KWH) | 1.747 |

Minimum Charge

The minimum charge under this schedule shall be the sum of the customer charge and all applicable riders.

Transmission Service

Transmission service for customers served under this schedule will be made available under the terms and conditions contained within the applicable Open Access Transmission Tariff as filed with the Federal Energy Regulatory Commission and as specified in the Company's Terms and Conditions of Open Access Distribution Service.

Metering and Billing Options

The customer has the option of selecting the Company and/or an alternative supplier for metering, meter data management or billing services. Such services provided to the customer by an alternative supplier must be arranged through the CRES Provider who provides energy services to the customer. Unless the customer explicitly designates otherwise, the Company shall continue to provide such services.

1. An alternative provider of metering services must be registered with the Company as a qualified Meter Service Provider (MSP) as specified in the Company's Supplier Terms and Conditions of Service. The MSP shall be responsible for providing, installing and maintaining the billing meter. Such metering must be of a type approved by the Company and must meet the Company's standards for safety, reliability and accuracy. The Company's meter must be removed by qualified personnel and returned to the Company at either the expense of the MSP or the customer. Once the Company's meter has been received and inspected by the Company, then a credit of \$0.34/month shall apply.

If the customer has received metering services from an MSP and subsequently elects to have the Company once again provide, install and maintain the metering, then the customer shall pay a one-time charge based on the type of meter required.

2. An alternative provider of meter data management services must be registered with the Company as a qualified Meter Data Management Agent (MDMA) as specified in the Company's Supplier Terms and Conditions of Service. The MDMA shall be responsible for the collection of metered data and for providing data to the Company and other entities as required for billing purposes.

(Continued on Sheet No. 20-2D)

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OHIO POWER COMPANY

Original Sheet No. 20-2D

P.U.C.O. NO. 20

SCHEDULE OAD - GS-1
(Open Access Distribution - General Service - Small)

- 3. A provider of consolidated billing must be registered with the Company as a qualified Billing Agent (BA) as specified in the Company's Supplier Terms and Conditions of Service. The BA shall then provide to the customer a consolidated monthly bill specifying the supplier and charges for generation, transmission, distribution and other services. Unless the customer chooses a BA to provide a consolidated bill, or the customer's CRES Provider has made arrangements with the Company to provide a Company-issued consolidated bill, the Company will provide a separate billing for distribution services under the provisions of this schedule.

Delayed Payment Charge

- 1. Bills are due and payable in full by mail, checkless payment plan, electronic payment plan, or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of 5% of the unpaid balance will be made.
- 2. Should a partial payment be made in lieu of the total payment of the amount owed to the Company, the payment provisions of this schedule shall apply. If a partial payment is made, such partial payment shall be applied to the various portions of the customer's bill in the following order: (a) past due CRES Provider charges, (b) past due distribution, Standard Offer Service generation and transmission charges, (c) current distribution, Standard Offer Service generation and transmission charges, (d) current CRES Provider charges, and (e) other past due and current non-regulated charges.
- 3. If the BA fails to provide payment to the Company by the date of the next monthly bill, the Company will thereafter directly bill the customer for distribution service. In addition, the financial instrument, as specified in the Supplier Terms and Conditions of Service, will be forfeited to the extent necessary to cover bills due and payable to the Company. Any remaining unpaid amounts and associated fees are the responsibility of the customer.

Optional Unmetered Service Provision (Schedule Codes 831, , 834, 836)

Available to customers who qualify for Schedule OAD-GS-1 and use the Company's distribution service for commercial purposes consisting of small fixed electric loads such as traffic signals and signboards which can be served by a standard service drop from the Company's existing secondary distribution system. This service will be offered at the option of the Company.

Each separate service delivery point will be considered a contract location and shall be separately billed under the service contract.

The customer shall furnish switching equipment satisfactory to the Company. 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 the actual load. In the event of the customer's failure to notify the Company of an increase in load, the Company reserves the right to refuse to serve the contract location thereafter under this provision, and shall be entitled to bill the customer retroactively under this schedule on the basis of the increased load for the full period such load was connected plus three months.

Calculated energy use per month shall be equal to the contract capacity specified at the contract location times the number of days in the billing period times the specified hours of operation. Such calculated energy shall then be billed at 1.747¢ per KWH plus a monthly Customer charge of \$6.30.

(Continued on Sheet No. 20-3D)

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P.U.C.O. NO. 20

SCHEDULE OAD - GS-1
(Open Access Distribution - General Service - Small)

Applicable Riders

Monthly charges computed under this schedule shall be adjusted in accordance with the Commission approved Riders on Sheet No. 4-1D.

Term of Contract

A written agreement may, at the Company's option, be required.

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Open Access Distribution Service.

Customers with cogeneration, small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 and/or other on-site sources of electrical energy supply shall take any required distribution service under Schedule OAD - SBS or Schedule OAD - NEMS.

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P.U.C.O. NO. 20

SCHEDULE OAD - GS-2
(Open Access Distribution - General Service - Large)

Availability of Service

Available for general service to customers with maximum demands greater than or equal to 10 kW or greater and who request and receive electric generation service from a qualified CRES Provider.

Monthly Rate

| | Secondary | Primary | Subtrans. Trans. |
|------------------------------------|---|---------------|--------------------|
| Schedule Codes | 840, 842, 844, 845, 847, 881, 885, 886, 887 | 841, 849, 846 | 842, 843, 847, 848 |
| Customer Charge (\$) | 12.85 | 52.60 | 806.10 |
| Distribution Demand Charge (\$/kW) | 4.90 | 3.81 | |
| Excess KVA Demand Charge (\$KVA) | 2.04 | 2.04 | 2.04 |
| Excess KVAR Charge (\$/KVAR) | 0.69 | 0.69 | 0.69 |

Minimum Charge

The minimum monthly charge under this schedule shall be the sum of the customer charge, the product of the demand charge and the monthly billing demand, and all Commission-approved riders shown on Sheet Number 4-1D.

Transmission Service

Transmission service for customers served under this schedule will be made available under the terms and conditions contained within the applicable Open Access Transmission Tariff as filed with the Federal Energy Regulatory Commission and as specified in the Company's Terms and Conditions of Open Access Distribution Service.

Metering and Billing Options

The customer has the option of selecting the Company and/or an alternative supplier for metering, meter data management or billing services. Such services provided to the customer by an alternative supplier must be arranged through the CRES Provider who provides energy services to the customer. Unless the customer explicitly designates otherwise, the Company shall continue to provide such services.

1. An alternative provider of metering services must be registered with the Company as a qualified Meter Service Provider (MSP) as specified in the Company's Supplier Terms and Conditions of Service. The MSP shall be responsible for providing, installing and maintaining the billing meter. Such metering must be of a type approved by the Company and must meet the Company's standards for safety, reliability and accuracy. The Company's meter must be removed by qualified personnel and returned to the Company at either the expense of the MSP or the customer. Once the Company's meter has been received and inspected by the Company, then a credit shall apply:

| | Secondary | Primary | Subtrans. Trans. |
|-------------------|-----------|---------|------------------|
| Credit (\$/month) | 1.20 | 1.63 | 1.64 |

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SCHEDULE OAD - GS-2
(Open Access Distribution - General Service - Large)

If the customer has received metering services from an MSP and subsequently elects to have the Company once again provide, install and maintain the metering, then the customer shall pay a one-time charge based on the type of meter required.

- 2. An alternative provider of meter data management services must be registered with the Company as a qualified Meter Data Management Agent (MDMA) as specified in the Company's Supplier Terms and Conditions of Service. The MDMA shall be responsible for the collection of metered data and for providing data to the Company and other entities as required for billing purposes.
- 3. A provider of consolidated billing must be registered with the Company as a qualified Billing Agent (BA) as specified in the Company's Supplier Terms and Conditions of Service. The BA shall then provide to the customer a consolidated monthly bill specifying the supplier and charges for generation, transmission, distribution and other services. Unless the customer chooses a BA to provide a consolidated bill, or the customer's CRES Provider has made arrangements with the Company to provide a Company-issued consolidated bill, the Company will provide a separate billing for distribution services under the provisions of this schedule.

Delayed Payment Charge

- 1. Bills are due and payable in full by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of 2% of the unpaid balance will be made.
- 2. Should a partial payment be made in lieu of the total payment of the amount owed to the Company, the payment provisions of this schedule shall apply. If a partial payment is made, such partial payment shall be applied to the various portions of the customer's bill in the following order: (a) past due CRES Provider charges, (b) past due distribution, Standard Offer Service generation and transmission charges, (c) current distribution, Standard Offer Service generation and transmission charges, (d) current CRES Provider charges, and (e) other past due and current non-regulated charges.
- 3. If the BA fails to provide payment to the Company by the date of the next monthly bill, the Company will thereafter directly bill the customer for distribution service. In addition, the financial instrument, as specified in the Supplier Terms and Conditions of Service, will be forfeited to the extent necessary to cover bills due and payable to the Company. Any remaining unpaid amounts and associated fees are the responsibility of the customer.

Applicable Riders

Monthly charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on Sheet No. 4-1D.

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P.U.C.O. NO. 20

SCHEDULE OAD - GS-2
(Open Access Distribution - General Service - Large)

Monthly Billing Demand

Energy delivered hereunder will be delivered through not more than 1 single-phase or 1 poly-phase meter. Billing demand in KW shall be taken each month as the single highest 30-minute integrated peak in KW as registered during the month by a 30-minute integrating demand meter or indicator or, at the Company's option, as the highest registration of a thermal-type demand meter For accounts over 100 KW, monthly billing demand established hereunder shall not be less than 60% of the greater of (a) the customer's contract capacity in excess of 100 KW, or (b) the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 KW. In no event shall the monthly billing demand be less than (a) minimum billing demand, if any, specified in the service contract, or (b) 5 KW for any account.

If more than 50% of the customer's connected load is for electric space heating purposes, the minimum monthly billing demand for the billing months of June through October will be 25% of the greater of (a) the customer's contract capacity in excess of 100 KW, or (b) the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 KW.

For customers primarily engaged in seasonal agricultural related activities, the minimum monthly billing demand will be 25% greater of (a) the customer's contract capacity in excess of 100 KW, or (b) the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 KW.

The Metered Voltage adjustment, as set forth below, shall not apply to the customer's minimum monthly billing demand.

Excess KVAR/KVA Demand

For customers with contract capacities of 8,000 KW or greater, the monthly excess KVAR demand shall be the metered KVAR, leading or lagging, in excess of 50% of the maximum metered KW demand.

For all other customers, the monthly KVA demand shall be determined by dividing the maximum metered KW demand by the average monthly power factor. The excess KVA demand, if any, shall be the amount by which the monthly KVA demand exceeds the greater of (a) 115% of the maximum metered KW demand or (b) 100 KVA.

The Metered Voltage adjustment, as set forth below, shall apply to the customer's excess KVAR/KVA demand.

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P.U.C.O. NO. 20

SCHEDULE OAD - GS-2
(Open Access Distribution - General Service - Large)

Metered Voltage

The rates set forth in this schedule are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH, KW, KVAR and RKVAH values will be adjusted for billing purposes. If the Company elects to adjust KWH, KW, KVAR and RKVAH based on multipliers, the adjustment shall be in accordance with the following:

1. Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
2. Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

Term of Contract

For customers with annual average demands greater than 500 KW, contracts will be required for an initial period of not less than 1 year and shall remain in effect thereafter until either party shall give at least 6 months written notice to the other of the intention to discontinue service under the terms of this schedule. For customers with demands less than 500 KW, a written agreement may, at the Company's option, be required.

A new initial contract period will not be required for existing customers who increase their contract requirements after the original initial period unless new or additional facilities are required. The Company may, at its option, require a longer initial term of contract to fulfill the terms and conditions of service and/or in order to protect the Company's ability to recover its investment of costs over a reasonable period of time.

The Company shall not be required to supply capacity in excess of that contracted for except by mutual agreement.

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Open Access Distribution Service.

In the event the Company, in order to prevent voltage fluctuation or disturbances on its system, installs separate transformer or transformers to supply service to welders, X-ray machines, or other equipment having similar electrical operating characteristics, such service will be metered and billed separately from customer's other service. The minimum monthly charge for separate service to welders, X-ray machines, etc., will be the amount determined pursuant to the Minimum Charge section above, plus a distribution charge of \$0.59/KVA of installed transformer capacity.

Customers with cogeneration, small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 and/or other on-site sources of electrical energy supply shall take any required distribution service under Schedule OAD - SBS or Schedule OAD - NEMS.

(Continued on Sheet No. 21-5D)

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Original Sheet No. 21-5D

P.U.C.O. NO. 20

SCHEDULE OAD - GS-2
(Open Access Distribution - General Service - Large)

Customers who receive distribution service from the City of Columbus who desire to purchase breakdown distribution service from the Company shall take such service under Schedule OAD - SBS.

This Schedule is also available to customers in the City of Columbus having other sources of energy supply, but who desire to purchase breakdown service from the Company. Where such conditions exist, the customer shall contract for the maximum amount of demand in KW as determined from the customer's connected load or the capacity of transformer and service facilities. Where service is supplied under the provisions of this paragraph, the minimum charge shall be the sum of the Breakdown Service Minimum Demand Charge per KW and the Customer Charge and shall be subject to charges and adjustments under all applicable riders. The customer shall guarantee not to operate the Company's service in parallel with the other source or sources of power supply.

| | |
|---|--------------|
| | Distribution |
| Breakdown Service Minimum Demand Charge (\$ per KW) | 4.90 |

Recreational Lighting Service (Schedule Code 839)

Available to customers for separately metered non-profit outdoor recreation facilities.

Monthly Rate

| | |
|------------------------------------|-------|
| Customer Charge (\$) | 12.00 |
| Distribution Energy Charge (¢/KWH) | 1.468 |

Metering Options

The customer has the option of selecting the Company and/or an alternative supplier for metering or meter data management services. Such services provided to the customer by an alternative supplier must be arranged through the CRES Provider who provides energy services to the customer. Unless the customer explicitly designates otherwise, the Company shall continue to provide such services.

- 1) An alternative provider of metering services must be registered with the Company as a qualified Meter Service Provider (MSP) as specified in the Company's Supplier Terms and Conditions of Service. The MSP shall be responsible for providing, installing and maintaining the billing meter. Such metering must be of a type approved by the Company and must meet the Company's standards for safety, reliability and accuracy. The Company's meter must be removed by qualified personnel and returned to the Company at either the expense of the MSP or the customer. Once the Company's meter has been received and inspected by the Company, then a credit of \$1.05/month shall apply.

If the customer has received metering services from an MSP and subsequently elects to have the Company once again provide, install and maintain the metering, then the customer shall pay a one-time charge based on the type of meter required.

(Continued on Sheet No. 21-6D)

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AEP Ohio

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OHIO POWER COMPANY

Original Sheet No. 21-6D

P.U.C.O. NO. 20

SCHEDULE OAD - GS-2
(Open Access Distribution - General Service - Large)

- 2) An alternative provider of meter data management services must be registered with the Company as a qualified Meter Data Management Agent (MDMA) as specified in the Company's Supplier Terms and Conditions of Service. If the customer chooses a MDMA to provide such services, then a credit of \$1.05/month shall apply.

The MDMA shall be responsible for the collection of metered data and for providing data to the Company and other entities as required for billing purposes.

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OHIO POWER COMPANY

Original Sheet No. 27-1D

P.U.C.O. NO. 20

SCHEDULE OAD - SBS
(Open Access Distribution - Standby Service)

Availability of Service

This schedule is available to customers with cogeneration, small power production facilities, and/or other on-site sources of electrical energy supply with standby distribution service requirements of 50,000 KW or less and who request and receive electric generation service from a qualified CRES Provider.

Conditions of Standby Service Availability

The provision for the Company providing standby distribution service to the customer is conditionally provided on the assumption that the customer installs, operates and maintains suitable and sufficient equipment, as specified in the "Guide for Safe Integration of Non-Utility (NUG) Facilities Interconnected To The Company's Electric System," to protect the customer's facilities and the Company's system from damages resulting from such parallel operation, and upon the further condition that the Company shall not be liable to the customer for any loss, cost, damage, or expense which the customer 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 negligence of the Company, its agents, or employees, and upon further condition that the customer shall not be liable to the Company for any loss, cost, damage or expense which the Company 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 negligence of the customer, its agents or employees.

Detents shall be used on the necessary metering to prevent reverse rotation.

Determination of Standby Contract Capacity

The standby contract capacity in KW shall be initially established by mutual agreement between the customer and the Company for distribution capacity sufficient for the delivery of the customer's maximum standby requirements to be provided by a qualified CRES Provider.

The customer shall specify the desired standby contract capacity to the nearest 50 KW. Changes in the standby contract capacity are subject to the provisions set forth in the Term of Contract.

Monthly Standby Charge

| | Secondary | Primary | Subtransmission/ | Transmission |
|-----------------------|-----------|---------|------------------|--------------|
| Demand Charge (\$/KW) | 4.90 | 3.81 | 0.00 | 0.00 |
| Energy Charge (¢/KWH) | 0.00 | 0.00 | 0.00 | 0.00 |

The minimum monthly standby charge is equal to the demand charge times the standby contract capacity plus all applicable riders.

(Continued on Sheet No. 27-2D)

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Original Sheet No. 27-2D

P.U.C.O. NO. 20

SCHEDULE OAD - SBS
(Open Access Distribution - Standby Service)

Local Facilities Charge

Charges to cover interconnection costs (including but not limited to suitable meters, relays and protective apparatus) incurred by the Company shall be determined by the Company and shall be collected from the customer. Such charges shall include the total installed cost of all local facilities. The customer shall make a one time payment of the Local Facilities Charge at the time of the installation of the required additional facilities, or, at the customer's option, up to 36 consecutive equal monthly payments reflecting an annual interest charge as determined by the Company, but not to exceed the cost of the Company's most recent issue of long-term debt nor the maximum rate permitted by law. If the customer elects the installment payment option, the Company may require a security deposit equal to 25% of the total cost of interconnection.

Special Provision for Customers with Standby Contract Capacities of Less than 100 KW

Customers requesting standby service with contract capacities of less than 100 KW shall be charged a monthly demand rate of \$3.72/KW. However, in those months when standby service is used, the demand charge shall be waived provided the customer notifies the Company in writing prior to the meter reading date and such services shall be billed according to the applicable demand-metered open access distribution rate schedule.

Contracts for such service shall be executed on a special contract form for a minimum of one year. Standby contract capacity in KW shall be set equal to the capacity of the customer's largest power production facility.

Transmission Service

Transmission service for customers served under this schedule will be made available under the terms and conditions contained within the applicable Open Access Transmission Tariff as filed with the Federal Energy Regulatory Commission and as specified in the Company's Terms and Conditions of Open Access Distribution Service.

Metering and Billing Options

The customer has the option of selecting the Company and/or an alternative supplier for metering, meter data management or billing services. Such services provided to the customer by an alternative supplier must be arranged through the CRES Provider who provides energy services to the customer. Unless the customer explicitly designates otherwise, the Company shall continue to provide such services.

1. An alternative provider of metering services must be registered with the Company as a qualified Meter Service Provider (MSP) as specified in the Company's Supplier Terms and Conditions of Service. The MSP shall be responsible for providing, installing and maintaining the billing meter. Such metering must be of a type approved by the Company and must meet the Company's standards for safety, reliability and accuracy. The Company's meter must be removed by qualified personnel and returned to the Company at either the expense of the MSP or the customer. Once the Company's meter has been received and inspected by the Company, then a credit equal to the credit specified in the applicable demand-metered open access distribution schedule shall apply.

(Continued on Sheet No. 27-3D)

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OHIO POWER COMPANY

Original Sheet No. 27-3D

P.U.C.O. NO. 20

SCHEDULE OAD - SBS
(Open Access Distribution - Standby Service)

If the customer has received metering services from an MSP and subsequently elects to have the Company once again provide, install and maintain the metering, then the customer shall pay a one-time charge based on the type of meter required.

2. An alternative provider of meter data management services must be registered with the Company as a qualified Meter Data Management Agent (MDMA) as specified in the Company's Supplier Terms and Conditions of Service. The MDMA shall be responsible for the collection of metered data and for providing data to the Company and other entities as required for billing purposes.
3. A provider of consolidated billing must be registered with the Company as a qualified Billing Agent (BA) as specified in the Company's Supplier Terms and Conditions of Service. The BA shall then provide to the customer a consolidated monthly bill specifying the supplier and charges for generation, transmission, distribution and other services. Unless the customer chooses a BA to provide a consolidated bill, or the customer's CRES Provider has made arrangements with the Company to provide a Company-issued consolidated bill, the Company will provide a separate billing for distribution services under the provisions of this schedule.

Delayed Payment Charge

1. Bills from the Company are due and payable in full by mail, checkless payment plan, electronic payment plan, or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On accounts not so paid, an additional charge of 5% of the total amount billed will be made.
2. Should a partial payment be made in lieu of the total payment of the amount owed to the Company, the payment provisions of this schedule shall apply. If a partial payment is made, such partial payment shall be applied to the various portions of the customer's bill in the following order: (a) past due CRES Provider charges, (b) past due distribution, Standard Offer Service generation and transmission charges, (c) current distribution, Standard Offer Service generation and transmission charges, (d) current CRES Provider charges, and (e) other past due and current non-regulated charges.
3. If the BA fails to provide payment to the Company by the date of the next monthly bill, the Company will thereafter directly bill the customer for distribution service. In addition, the financial instrument, as specified in the Supplier Terms and Conditions of Service, will be forfeited to the extent necessary to cover bills due and payable to the Company. Any remaining unpaid amounts and associated fees are the responsibility of the customer.

Applicable Riders

Monthly charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on sheet No. 4-1D.

Term of Contract

Contracts under this schedule will be made for an initial period of not less than one year and shall continue thereafter until either party has given 6 months' written notice to the other of the intention to terminate the contract. The Company will have the right to make contracts for initial periods longer than one year.

(Continued on Sheet No. 27-4D)

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OHIO POWER COMPANY

Original Sheet No. 27-4D

P.U.C.O. NO. 20

SCHEDULE OAD - SBS
(Open Access Distribution - Standby Service)

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Open Access Distribution Service.

At its discretion, the Company may require that metering be installed to monitor the customer's generation. The Company reserves the right to inspect the customer's relays and protective equipment at all reasonable times.

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OHIO POWER COMPANY

Original Sheet No. 28-1D

P.U.C.O. NO. 20

SCHEDULE OAD-NEMS
(Open Access Distribution - Net Energy Metering Service)

Availability of Service

This schedule is available to customers with qualifying customer-generator facilities designed to operate in parallel with the Company's system. Customers served under this schedule must also take service under the applicable Open Access Distribution (OAD) service schedule.

Conditions of Service

1. A qualifying customer is one whose generating facility complies with all the following requirements:
 - a. is fueled by solar, wind, biomass, landfill gas, or hydropower, or uses a microturbine or a fuel cell;
 - b. is located on the customer-generator's premises;
 - c. is designed and installed to operate in parallel with the Company's system without adversely affecting the operation of equipment and service of the Company and its customers and without presenting safety hazards to Company and customer personnel; and
 - d. is intended primarily to offset part or all of the customer-generator's electricity needs.
2. The customer's generating equipment shall be installed in accordance with the manufacturer's specifications as well as all applicable provisions of the National Electrical Code. All equipment and installations shall comply with all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronic Engineers and Underwriters Laboratories, as well as any additional control and testing requirements adopted by the Commission.

Metering

Net energy metering shall be accomplished using a single meter capable of registering the flow of electricity in each direction. If the existing electrical meter installed at the customer's facility is not capable of measuring the flow of electricity in two directions, the Company, upon written request of the customer, shall install at the customer's expense an appropriate meter with such capability.

The Company may, at its own expense and with written consent of the customer, install one or more additional meters to monitor the flow of electricity.

(Continued on Sheet No. 28-2D)

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Original Sheet No. 28-2D

P.U.C.O. NO. 20

SCHEDULE OAD-NEMS
(Open Access Distribution - Net Energy Metering Service)

Monthly Charges

Monthly charges for energy, and demand where applicable, to serve the customer's net or total load shall be determined according to the Company's OAD service schedule under which the customer would otherwise be served, absent the customer-owned generation source. If a non-residential customer's qualifying customer-generator facility has a total rated generating capacity of more than 10 kW, service shall be provided under the Company's OAD demand-metered schedule (Schedule OAD-GS-2 or OAD-GS-3 depending on the customer's load characteristics).

Energy charges under the OAD service schedule shall be based on the customer's net energy for the billing period. In no event shall the customer's net energy for the billing period be less than zero for purposes of billing under the OAD service schedule.

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Open Access Distribution Service and all provisions of the OAD service schedule under which the customer takes service. This schedule is also subject to the applicable provisions of the Company's Minimum Requirements for Distribution System Interconnection.

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Original Sheet No. 30-1D

P.U.C.O. NO. 20

OAD - SCHEDULE AFS
(Open Access Distribution - Alternative Feed Service Rider)

Availability of Service

Standard Alternate Feed Service (AFS) is a premium service available to customers served under Schedule OAD GS-2, who request an AFS from existing distribution facilities which is in addition to the customer's basic service, provided that the Company can reasonably provide available capacity from alternate distribution facilities. Schedule AFS applies to those customers requesting new or upgraded AFS after the effective of this Schedule or those customers provided AFS under a contract.

System Impact Study Charge

The Company shall charge the customer for the cost incurred by the Company to conduct a system impact study for each site reviewed. The study will consist of, but is not limited to, the following: (1) identification of customer load requirements, (2) identification of the potential facilities needed to provide the AFS, (3) determination of the impact of AFS loading on all electrical facilities under review, (4) evaluation of the impact of the AFS on system protection and coordination issues including the review of the transfer switch, (5) evaluation of the impact of the AFS request on system reliability indices and power quality, (6) development of cost estimates for any required system improvements or enhancements required by the AFS, and (7) documentation of the results of the study. The Company will provide to the customer an estimate of charges for this study and payment is required prior to its initiation. Should the customer plan to increase the AFS demand the customer will be charged for any subsequent system impact studies.

Equipment and Installation Charge

The customer shall pay, in advance of construction, a nonrefundable amount for the equipment and installation costs for all dedicated and/or local facilities provided by the Company required to furnish either a new or upgraded AFS. The payment shall be grossed-up for federal and state income taxes. The customer will not acquire any title in said facilities by reason of such payment. The equipment and installation charge shall be determined by the Company and shall include, but not be limited to, the following: (1) all costs associated with the AFS dedicated and/or local facilities provided by the Company and (2) any costs or modifications to the customer's basic service facilities.

The customer is responsible for all costs associated with providing and maintaining telephone service for use with metering to notify the Company of a transfer of service to the AFS or return to basic service.

Monthly Rate

The customer will pay all monthly charges for the basic service as determined under the appropriate Schedule. In addition, for each kW of contract capacity or highest demand established during the last eleven (11) months, whichever is greater, the customer shall pay the following:

| | |
|---|------------|
| Primary Voltage (Standard) AFS | \$3.81/ kW |
| Secondary Voltage AFS installed prior to January 1, 2009 (Not available for new service) | \$4.90/ kW |

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P.U.C.O. NO. 20

OAD - SCHEDULE AFS
(Open Access Distribution - Alternative Feed Service Rider)

Payment

Bills are due and payable in full by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On accounts not so paid, an additional charge of 5% of the unpaid balance will be made.

AFS Capacity Reservation

The customer shall reserve a specific amount of AFS capacity equal to or less than the customer's normal maximum requirements, but in no event shall the customer's AFS capacity reservation under this Schedule exceed the capacity reservation for the customer's basic service under the appropriate tariff. The Company shall not be required to supply AFS capacity in excess of that reserved except by mutual agreement.

In the event the customer plans to increase the AFS demand at any time, the customer shall promptly notify the Company of such additional demand requirements. The customer's AFS capacity reservation and billing will be adjusted accordingly. The customer will pay the Company the actual costs of any and all additional dedicated and/or local facilities required to provide AFS in advance of construction and pursuant to a new electric service agreement for such additional AFS capacity reservation requirements. In the event the customer exceeds the agreed upon AFS capacity reservation, the Company reserves the right to disconnect the AFS. In the event the customer's AFS metered demand exceeds the agreed upon AFS capacity reservation, which jeopardizes company facilities or the electrical service to other customers, the Company reserves the right to disconnect the AFS immediately. If the Company agrees to allow the customer to continue AFS, the customer will be required to sign a new AFS agreement reflecting the new AFS capacity reservation. In addition, the customer will promptly notify the Company regarding any reduction in the AFS capacity reservation.

The customer may reserve partial-load AFS capacity, which shall be less than the customer's full requirements for basic service subject to the conditions in this provision. Prior to the customer receiving partial-load AFS capacity, the customer shall be required to demonstrate or provide evidence to the Company that they have installed demand-controlling equipment that is capable of curtailing load when a switch has been made from the basic service to the AFS. The Company reserves the right to test and verify the customer's ability to curtail load to meet the agreed upon partial-load AFS capacity reservation.

Determination of Billing Demand

Full-Load Requirement:

For customers requesting AFS equal to their load requirement for basic service, the AFS billing demand shall be taken each month as the single-highest thirty (30) minute integrated peak as registered during the month by a demand meter or indicator, but the monthly AFS billing demand so established shall in no event be less than the greater of (a) the customer's AFS capacity reservation, (b) the customer's highest previously established monthly billing demand on the AFS during the past eleven (11) months, (c) the customer's basic service capacity reservation, or (d) the customer's highest previously established monthly billing demand on the basic service during the past eleven (11) months.

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OAD - SCHEDULE AFS
(Open Access Distribution - Alternative Feed Service Rider)

Partial-Load Requirement:

For customers requesting partial-load AFS capacity reservation that is less than the customer's full requirements for basic service, the AFS billing demand shall be taken each month as the single-highest thirty (30) minute integrated peak on the AFS as registered during the month by a demand meter or indicator, but the monthly AFS billing demand so established shall in no event be less than the greater of (a) the customer's AFS capacity reservation or (b) the customer's highest previously established monthly metered demand on the partial-load AFS during the past eleven (11) months.

The Company shall designate the demand meter or indicator, demand interval, and any metered voltage adjustments used in the determination of demand under this Schedule.

Equipment Requirements and Ownership

The customer agrees to own, install, maintain, test, inspect, operate and replace as necessary the transfer switch. The customer's transfer switch shall be set with an automatic return to the basic service and shall remain with this setting unless otherwise mutually agreed upon by the Company and customer.

The customer agrees that any replacement of transfer switches be automatic-load transfer switches, and shall be set to return from the AFS circuit automatically with a closed transition except where Company's distribution system can not accept a closed transition. In addition, the customer-owned transfer switches are required to be at primary voltage and must meet the Company's engineering, operational and maintenance specifications and shall be approved by the Company's engineering group prior to installing the switchgear. Customer-owned secondary transfer switches in service prior to January 1, 2009, can be replaced with like-kind equipment with approval of the Company.

The Company reserves the right to periodically inspect the customer-owned transfer switch and controls and to disconnect the AFS for adverse impacts on reliability or safety. The customer agrees to test and inspect the switching facilities every twelve (12) months and perform maintenance as required. The testing, inspection and maintenance will be performed by the customer or by an outside contractor (for the customer) to ensure that the functional requirements as defined and provided by the Company continue to be met. Results of testing and inspections will be provided to the Company upon request.

Customer owned transfer switches in service prior to January 1, 2009, that are not automatic-load transfer switches, may continue to be used upon approval of the Company until it is determined by the Company that replacement of the transfer switch is necessary. However, during such period of use the Company and customer agree to adhere to the following operating guidelines:

- o After a transfer of service to the AFS, the customer agrees to return to the basic service within twelve (12) hours following the availability of basic service, or as mutually agreed upon by the Company and customer.
- o In the event of system constraints, the customer shall accomplish the transfer back to the basic service within ten (10) minutes after notification by the Company. However, the Company will endeavor to provide as much advance notice as possible to the customer.
- o Return to the basic service circuit will be performed manually by the customer, and will be coordinated with the Company load dispatcher.

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OAD - SCHEDULE AFS
(Open Access Distribution - Alternative Feed Service Rider)

- o In the event the customer fails to return to basic service within twelve (12) hours following the availability of basic service, or as mutually agreed upon by the Company and customer, or within ten (10) minutes of notification of system constraints, the Company reserves the right to immediately disconnect the customer's load from the AFS source.
- o If the customer does not return to the basic service as agreed upon, or as requested by the Company, the Company may also provide thirty (30) days' notice to terminate the AFS electric service agreement with the customer.
- o All of the above testing, inspection and maintenance conditions will apply.
- o All planned, non-emergency transfers requested by either the customer or the Company will be coordinated between the customer and the Company load dispatcher. The customer shall provide for a trained individual to conduct all manual switching.

Company owned transfer switches in service prior to January 1, 2009, may continue to be used upon approval of the Company until it is determined by the Company that replacement of the transfer switch is necessary. At that time the customer will be required to own, install, maintain, test, inspect and operate the transfer switch in accordance with the above terms. Prior to the time the Company determines that replacement is necessary, the customer authorizes the Company to accept ownership and maintenance responsibility of the transfer switch. In addition, the customer will pay a monthly rate of \$11.55 for the Company to annually test the transfer switch control module. The customer also agrees to reimburse the Company actual costs involved in maintaining the Company-owned transfer switch.

Term of Contract

The customer shall contract for a definite amount of electrical capacity in kW which shall be sufficient to meet normal maximum requirements under this Schedule, but in no event shall the customer's contract capacity under this Schedule exceed the contract capacity for the customer's basic service under the appropriate general service schedule. The Company shall not be required to supply capacity in excess of that for which the customer has contracted.

Contracts will be required for an initial period of not less than one (1) year and shall remain in effect thereafter until either party shall give the other at least six (6) months written notice of the intention to discontinue service under this Schedule.

A new initial contract period will not be required for existing customers who change their contract requirements after the original initial period unless new or additional facilities are required. The Company reserves the right to make initial contracts for periods longer than one (1) year.

Special Terms and Conditions

The Company will maintain operational control of the transfer switch, including the designation of the AFS and the timing of the return from the AFS to the basic service following an interruption of service or any other operating condition. At no time will the AFS be operated in parallel with the basic service without the Company's advance written approval. The Company will have sole discretion in designating the AFS circuit and the basic service circuit.

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OAD - SCHEDULE AFS
(Open Access Distribution - Alternative Feed Service Rider)

Upon receipt of a request from the customer for non-standard AFS (AFS which includes unique service characteristics different from standard AFS), the Company will provide the customer with a written estimate of all costs, including system impact study costs, and any applicable unique terms and conditions of service related to the provision of the non-standard AFS.

Disconnection of AFS under this Schedule due to reliability or safety concerns associated with customer-owned transfer switches or AFS metered demand in excess of the AFS Capacity Reservation will not relieve the customer of payments required during the remaining term of the electric service agreement.

The provisions and charges under this Schedule are subject to revision should the customer's electric service agreement for basic service be modified.

In the event the customer's electric service agreement for basic service terminates for any reason, the customer is required to fulfill all payments according to the terms of this Schedule.

The Company assumes no responsibility should the alternate distribution circuit, the transfer switch, or other equipment required to provide the AFS fail to operate as designed or be unavailable for any reason. Service under this Schedule does not guarantee that power will be available through the AFS at all times.

This Schedule is subject to the Company's Terms and Conditions of Service.

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OHIO POWER COMPANY

Original Sheet No. 40-1D

P.U.C.O. NO. 20

SCHEDULE OL
(Outdoor Lighting)

Availability of Service

Available to residential and general service customers where appropriate existing secondary distribution facilities are readily available for the lighting of private areas and who request and receive electric generation service from a qualified CRES Provider. This service is not available for street and highway lighting.

Monthly Rate

Overhead Lighting Service

Monthly Rate

For each lamp with luminaire and an upsweep arm not over six (6) feet in length or bracket mounted floodlight, controlled by photoelectric relay, where service is supplied from an existing pole and secondary facilities of the Company (a pole which presently serves another function besides supporting an area light) except in the case of post top lamps for which the rates per month already include the cost of a pole, the following charges apply. Charges are \$ per lamp per month.

| Type of Lamp | Nominal Lamp Wattage | Distribution |
|-----------------------|----------------------|--------------|
| Luminaire: | | |
| High Pressure Sodium | | |
| 9,000 lumen | 100 | 7.25 |
| 16,000 lumen | 150 | 8.04 |
| 22,000 lumen | 200 | 9.14 |
| 27,500 lumen | 250 | 10.08 |
| 50,000 lumen | 400 | 10.79 |
| 9,000 lumen Post Top | 100 | 13.77 |
| 16,000 lumen Post Top | 150 | 13.93 |
| 9,000 lumen cutoff | 100 | 8.37 |
| 27,500 lumen cutoff | 250 | 11.33 |
| 50,000 lumen cutoff | 400 | 13.15 |

(Continued on Sheet No. 40-2D)

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Original Sheet No. 40-2D

P.U.C.O. NO. 20

SCHEDULE OL
(Outdoor Lighting)

| | | |
|-----------------------------|------|-------|
| Floodlight: | | |
| High Pressure Sodium | | |
| 9,000 lumen | 100 | 8.17 |
| 22,000 lumen | 200 | 9.11 |
| 27,500 lumen | 250 | 10.80 |
| 50,000 lumen | 400 | 10.12 |
| 140,000 lumen | 1000 | 18.66 |
| Metal Halide | | |
| 17,000 lumen | 250 | 10.58 |
| 29,000 lumen | 400 | 10.62 |
| 110,000 lumen | 1000 | 17.11 |

Discontinued Lamps – Not Available for new installations.

| Type of Lamp | Nominal Lamp Wattage | Distribution |
|----------------------|----------------------|--------------|
| Luminaire: | | |
| Mercury Vapor | | |
| 4,000 lumen | 100 | 8.33 |
| 7,000 lumen | 175 | 7.66 |
| 20,000 lumen | 400 | 9.81 |
| 7,000 lumen Post Top | 175 | 13.27 |
| Incandescent: | | |
| 2,500 lumen | 150 | 9.75 |
| 4,000 lumen | 250 | 10.51 |
| Floodlight: | | |
| Mercury Vapor | | |
| 20,000 lumen | 400 | 12.38 |
| 50,000 lumen | 1000 | 14.18 |

Company will provide lamp, photoelectric relay control, post top luminaire, post, and installation, including underground wiring for a distance of 30 feet from the Company's existing secondary circuits.

Current CSP Area existing installations prior to December 31, 2011, will continue to pay:

(Continued on Sheet No. 40-3D)

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Joseph Hamrock, President
AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 40-3D

P.U.C.O. NO. 20

SCHEDULE OL
(Outdoor Lighting)

Other Equipment

When other new facilities are to be installed by the Company, in addition to the above monthly charge, the customer shall pay in advance the installation cost of such new overhead facilities extending from the nearest or most suitable pole of the Company to the point designated by the customer for the installation of said lamp. In lieu of such payment of the installation cost, for the following facilities, the customer may pay the following distribution charges:

| | | Per Month |
|----|--|-----------|
| 1. | For each additional wood pole | \$ 3.54 |
| 2. | For each aluminum pole | \$18.07 |
| 3. | For each fiberglass pole | \$17.88 |
| 4. | For each additional 150 foot overhead wire span or part thereof | \$ 1.15 |
| 5. | For mounting other than standard bracket: | |
| | 8 foot mastarm | \$ 0.92 |
| | 12 foot mastarm | \$ 1.62 |
| | 16 foot mastarm | \$ 2.15 |
| | 20 foot mastarm | \$ 3.29 |
| 6. | For each additional riser pole connection | \$ 3.52 |
| 7. | For each underground wire lateral not over 50 feet | \$ 1.70 |
| 8. | The Company may require the customer to pay for or furnish duct under pavements or adverse soil conditions should this be necessary for initial installation or due to paving over underground feed after placement. | |

For all new installations Other Equipment:

When a customer requires an underground circuit longer than thirty (30) feet for post top lighting service, the customer will:

- 1) Pay to the Company in advance a Distribution charge of \$4.60 per foot for the length of underground circuit in excess of thirty (30) feet, and
- 2) Pay a monthly Distribution facilities charge of \$.89 for each 25 feet (or fraction thereof) of underground circuit in excess of thirty (30) feet.

The customer will, where applicable, be subject to the following conditions in addition to paying the charges set forth above.

- 1) Customers requiring service where rock or other adverse soil conditions are encountered will be furnished service provided the excess cost of trenching and backfilling (cost in excess of \$3.58/foot of the total trench length) is paid to the Company by the customer.
(Continued on Sheet No. 40-4D)

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OHIO POWER COMPANY

Original Sheet No. 40-4D

P.U.C.O. NO. 20

SCHEDULE OL
(Outdoor Lighting)

- 2) In the event the customer requires that an underground circuit be located beneath a driveway or other pavement, the Company may require the customer to install protective conduit in the paved areas.

Other Equipment

When service cannot be supplied from an existing pole of the Company carrying a secondary circuit, the Company will install one (1) wood pole and/or one (1) span of secondary circuit of not over 150 feet for an additional distribution charge of \$6.34 per month.

When facilities other than those specified above are to be installed by the Company, the customer will, in addition to the above monthly charge or charges, pay in advance the installation cost for the new overhead facilities in excess of one (1) wood pole and/or 150 feet of secondary circuit.

Transmission Service

Transmission service for customers served under this schedule will be made available under the terms and conditions contained within the applicable Open Access Transmission Tariff as filed with the Federal Energy Regulatory Commission and as specified in the Company's Terms and Conditions of Open Access Distribution Service.

Billing Options

The customer has the option of selecting the Company and/or an alternative supplier for billing services. Such services provided to the customer by an alternative supplier must be arranged through the CRES Provider who provides energy services to the customer.

- 1. A provider of consolidated billing must be registered with the Company as a qualified Billing Agent (BA) as specified in the Company's Supplier Terms and Conditions of Service. The BA shall then provide to the customer a consolidated monthly bill specifying the supplier and charges for generation, transmission, distribution and other services. Unless the customer chooses a BA to provide a consolidated bill, or the customer's CRES Provider has made arrangements with the Company to provide a Company-issued consolidated bill, the Company will provide a separate billing for distribution services under the provisions of this schedule.

Delayed Payment Charge

- 1. For non-residential customers, bills from the Company are due and payable in full by mail, checkless payment plan, electronic payment plan, or at an authorized payment agent of the Company within 15 days after the mailing of the bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed will be made.

(Continued on Sheet 40-5D)

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OHIO POWER COMPANY

Original Sheet No. 40-5D

P.U.C.O. NO. 20

SCHEDULE OL
(Outdoor Lighting)

2. Should a partial payment be made in lieu of the total payment of the amount owed to the Company, the payment provisions of this schedule shall apply. If a partial payment is made, such partial payment shall be applied to the various portions of the customer's bill in the following order: (a) past due CRES Provider charges, (b) past due distribution, Standard Offer Service generation and transmission charges, (c) current distribution, Standard Offer Service generation and transmission charges, (d) current CRES Provider charges, and (e) other past due and current non-regulated charges.

3. If the BA fails to provide payment to the Company by the date of the next monthly bill, the Company will thereafter directly bill the customer for distribution service. In addition, the financial instrument, as specified in the Supplier Terms and Conditions of Service, will be forfeited to the extent necessary to cover bills due and payable to the Company. Any remaining unpaid amounts and associated fees are the responsibility of the customer.

Applicable Riders

Monthly charges computed under this schedule shall be adjusted in accordance with the Commission-approved riders on Sheet No. 4-1D.

Monthly Kilowatt-hour Usage

The monthly kilowatt-hours for each lamp type are as follows:

| Lamp | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2,500 Inc. | 79 | 67 | 57 | 57 | 51 | 45 | 48 | 55 | 60 | 71 | 75 | 81 |
| 4,000 Inc. | 124 | 104 | 104 | 89 | 79 | 71 | 76 | 86 | 94 | 111 | 116 | 126 |
| 4,000 Merc. | 55 | 46 | 46 | 39 | 35 | 31 | 33 | 38 | 41 | 49 | 51 | 56 |
| 7,000 Merc. | 91 | 76 | 76 | 65 | 58 | 52 | 55 | 63 | 69 | 81 | 86 | 92 |
| 20,000 Merc. | 199 | 167 | 167 | 142 | 127 | 114 | 121 | 138 | 152 | 178 | 188 | 203 |
| 50,000 Merc. | 477 | 400 | 400 | 340 | 304 | 272 | 291 | 331 | 363 | 427 | 449 | 486 |
| 9,000 HPS | 51 | 43 | 43 | 36 | 32 | 29 | 31 | 35 | 39 | 45 | 48 | 52 |
| 16,000 HPS | 74 | 62 | 62 | 53 | 47 | 42 | 45 | 51 | 57 | 66 | 70 | 75 |
| 22,000 HPS | 106 | 89 | 89 | 76 | 68 | 61 | 65 | 74 | 81 | 95 | 100 | 108 |
| 27,500 HPS | 130 | 109 | 109 | 93 | 83 | 74 | 79 | 90 | 99 | 116 | 122 | 132 |
| 50,000 HPS | 210 | 176 | 176 | 150 | 134 | 120 | 128 | 146 | 160 | 188 | 198 | 214 |
| 140,000 HPS | 477 | 400 | 400 | 340 | 304 | 272 | 291 | 331 | 363 | 427 | 449 | 486 |
| 17,000 M. Hal. | 127 | 106 | 106 | 90 | 81 | 72 | 77 | 88 | 96 | 113 | 119 | 129 |
| 29,000 M. Hal. | 199 | 167 | 167 | 142 | 127 | 114 | 121 | 138 | 152 | 178 | 188 | 203 |
| 110,000 M. Hal. | 477 | 400 | 400 | 340 | 304 | 272 | 291 | 331 | 363 | 427 | 446 | 486 |

(Continued on Sheet No. 40-6D)

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OHIO POWER COMPANY

Original Sheet No. 40-6D

P.U.C.O. NO. 20

SCHEDULE OL
(Outdoor Lighting)

Ownership of Facilities

All facilities necessary for service including fixtures, controls, poles, transformers, secondaries, lamps and other appurtenances shall be owned and maintained by the Company. All service and necessary maintenance will be performed only during regular scheduled working hours of the Company.

Hours of Lighting

Dusk to dawn lighting shall be provided, approximately 4,000 hours per annum.

Term of Contract

Contracts under this schedule will ordinarily be made for an initial term of one year with self-renewal provisions for successive terms of one year until either party shall give at least 60 days' notice to the other of the intention to discontinue service at the end of any term. The Company may, at its option, require a longer initial term of contract to fulfill the terms and conditions of service and/or in order to protect the Company's ability to recover its investment of costs over a reasonable period of time.

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Open Access Distribution Service.

Service will not be provided hereunder if in the judgment of the Company a danger or nuisance will be created thereby. Service will be terminated if after installation it proves to be a danger or nuisance.

Rates contained herein are based upon continuous use of facilities and are not applicable to seasonal use.

Customers with cogeneration, small power production facilities, and/or other on-site sources of electrical energy supply shall take any required distribution service under Schedule OAD - SBS or Schedule OAD - NEMS.

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OHIO POWER COMPANY

Original Sheet No. 41-1D

P.U.C.O. NO. 20

SCHEDULE OAD - SL
(Open Access Distribution - Street Lighting Service)

Availability of Service

Available for street lighting service to municipalities, counties and other governmental subdivisions supplied through Company-owned systems and who request and receive electric generation service from a qualified CRES Provider.

Service rendered hereunder, is predicated upon the existence of a valid contract between the Company and the customer specifying the type, number and location of lamps to be supplied and lighted. This service is not available for non-roadway lighting.

Service to be Rendered

The Company agrees to provide and maintain a street lighting system for the customer, together with electric energy through a general system of overhead distribution sufficient to continuously operate the lamps to give the maximum amount of illumination obtainable under commercial conditions approximately 4,000 hours per annum. An underground system of distribution will be provided at prices applicable to overhead distribution where the customer pays for trenching and backfilling or provides underground ducts designed to Company specifications.

Monthly Rates

Ohio Power Existing Installations through December 31, 2011

Prices applicable to existing installations. Prices also applicable to high pressure sodium for new installations and for replacing incandescent, fluorescent or mercury vapor lamps where installation can be made on an existing pole within 150' of existing secondary electric service. The Company will be the sole judge of the adequacy of existing facilities necessary to make these installations. Prices are \$ per lamp per month.

| | Nominal Lamp Wattage | Distribution |
|------------------------|----------------------|--------------|
| On Wood Pole:** | | |
| Mercury Vapor: | | |
| 7,000 lumen | 175 | 4.19 |
| 11,000 lumen | 250 | 4.86 |
| 20,000 lumen | 400 | 5.20 |
| 50,000 lumen | 1,000 | 9.43 |
| High Pressure Sodium: | | |
| 9,000 lumen | 100 | 3.82 |
| 16,000 lumen | 150 | 3.89 |
| 22,000 lumen | 200 | 4.46 |
| 50,000 lumen | 400 | 4.83 |

**Applicable to Company-owned fixture on customer-owned facilities approved by the Company.

(Continued on Sheet No. 41-2D)

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OHIO POWER COMPANY

Original Sheet No. 41-2D

P.U.C.O. NO. 20

SCHEDULE OAD - SL
(Open Access Distribution - Street Lighting Service)

| | Nominal Lamp Wattage | Distribution |
|--------------------------------------|----------------------|--------------|
| On Metal Pole: | | |
| Mercury Vapor: | | |
| 7,000 lumen | 175 | 8.14 |
| 11,000 lumen | 250 | 9.56 |
| 20,000 lumen | 400 | 10.26 |
| 50,000 lumen | 1,000 | 14.98 |
| High Pressure Sodium: | | |
| 9,000 lumen | 100 | 9.50 |
| 16,000 lumen | 150 | 9.55 |
| 22,000 lumen | 200 | 10.15 |
| 50,000 lumen | 400 | 10.51 |
| Multiple Lamps On Metal Pole: | | |
| 20,000 lumen Mercury Vapor | 400 | 7.97 |
| High Pressure Sodium: | | |
| 9,000 lumen | 100 | 6.65 |
| 16,000 lumen | 150 | 6.71 |
| 22,000 lumen | 200 | 7.31 |
| 50,000 lumen | 400 | 7.67 |
| Post Top Unit:* | | |
| 9,000 lumen High Pressure Sodium | 100 | 6.77 |

(Continued on Sheet No. 41-3D)

*Available where customer pays for trenching and backfilling or provides for underground ducts designed to Company specifications.

Prices applicable to installations after November 4, 1988 and before December 31, 2011 that require a new pole and secondary electric service. Fixtures and poles will be standard utility grade secured from the Company normal suppliers. The Company will be the sole judge of the suitability of the types of fixtures and poles used. Prices are \$ per lamp per month.

(Continued on Sheet No. 41-3D)

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OHIO POWER COMPANY

Original Sheet No. 41-3D

P.U.C.O. NO. 20

SCHEDULE OAD - SL
(Open Access Distribution - Street Lighting Service)

| | Nominal Lamp Wattage | Distribution |
|--------------------------------------|----------------------|--------------|
| On Wood Pole: | | |
| High Pressure Sodium: | | |
| 9,000 lumen | 100 | 10.55 |
| 16,000 lumen | 150 | 10.62 |
| 22,000 lumen | 200 | 11.20 |
| 50,000 lumen | 400 | 11.58 |
| On Metal Pole: | | |
| High Pressure Sodium: | | |
| 9,000 lumen | 100 | 23.22 |
| 16,000 lumen | 150 | 23.28 |
| 22,000 lumen | 200 | 23.77 |
| 50,000 lumen | 400 | 24.09 |
| Multiple Lamps On Metal Pole: | | |
| High Pressure Sodium: | | |
| 9,000 lumen | 100 | 13.23 |
| 16,000 lumen | 150 | 13.28 |
| 22,000 lumen | 200 | 13.79 |
| 50,000 lumen | 400 | 14.48 |
| Post Top Unit:* | | |
| 9,000 lumen High Pressure Sodium | 100 | 9.76 |

*Available where customer pays for trenching and backfilling or provides for underground ducts designed to Company specifications.

(Continued on Sheet No. 41-4D)

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P.U.C.O. NO. 20

SCHEDULE OAD - SL
(Open Access Distribution - Street Lighting Service)

Columbus Southern Power Existing Installations through December 31, 2011

Prices are \$ per lamp per month.

| Type of Lamp | Nominal Lamp Wattage | Avg. Monthly KWH Use | Distribution |
|------------------------------|----------------------|----------------------|--------------|
| High Pressure Sodium: | | | |
| Standard | 100 | 40 | 6.97 |
| Standard | 150 | 59 | 7.46 |
| Standard | 200 | 84 | 9.59 |
| Standard | 250* | 103 | 10.58 |
| Standard | 400 | 167 | 11.92 |
| Cut Off | 100 | 40 | 9.43 |
| Cut Off | 250 | 103 | 15.14 |
| Cut Off | 400 | 167 | 19.34 |
| Mercury Vapor: | | | |
| Standard | 100* | 43 | 6.87 |
| Standard | 175* | 72 | 7.89 |
| Standard | 400* | 158 | 12.79 |

* Discontinued, not available for new installations

(Continued on Sheet No. 41-5D)

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Original Sheet No. 41-5D

P.U.C.O. NO. 20

SCHEDULE OAD - SL
(Open Access Distribution - Street Lighting Service)

Other Equipment

When other new facilities are to be installed by the Company, in addition to the above charges, the customer shall pay the following distribution charges:

| | | Per Month |
|----|--|-----------|
| 1. | For each lamp supported by a wood pole serving no other function than street lighting | \$1.34 |
| 2. | For each aluminum pole | \$13.91 |
| 3. | For each fiberglass pole | \$17.65 |
| 4. | For each additional 150 foot overhead wire span or part thereof | \$0.79 |
| 5. | For mounting other than standard bracket: | |
| | 12 foot mastarm | \$1.17 |
| | 16 foot mastarm | \$1.56 |
| | 20 foot mastarm | \$2.67 |
| 6. | For each additional riser pole connection installed on or after May 21, 1992 | \$3.42 |
| 7. | For each underground wire lateral not over 50 feet | \$1.28 |
| 8. | The Company may require the customer to pay for or furnish duct under pavements or adverse soil conditions should this be necessary for initial installation or due to paving over underground feed after placement. | |

All installations after December 31, 2011 will be charged the following rates:

Prices applicable to new installations on an existing pole. Prices also applicable to high pressure sodium for new installations and for replacing mercury vapor lamps where installations can be made on an existing pole within 150' of existing secondary electric service, using an eight (8) foot or less mast arm. The Company will be the sole judge of the adequacy of existing facilities necessary to make these installations.

Prices are \$ per lamp per month.

| Type of Lamp | Nominal Lamp Wattage | Standard | Cutoff |
|------------------------------|----------------------|----------|--------|
| High Pressure Sodium: | | | |
| 9,000 lumens | 100 | 10.79 | 16.04 |
| 16,000 lumens | 150 | 11.38 | - |
| 22,000 lumens | 200 | 12.71 | 18.51 |
| 50,000 lumens | 400 | 16.24 | 21.44 |

(Continued on Sheet No. 41-6D)

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Original Sheet No. 41-6D

P.U.C.O. NO. 20

SCHEDULE OAD - SL
(Open Access Distribution - Street Lighting Service)

Prices applicable to new installations that require a new pole, secondary electric service and an eight (8) foot or less mast arm. Fixtures and poles will be standard utility grad secured from the Company normal suppliers. The Company will be the sole judge of the suitability of the types of fixtures and poles used. Prices are \$ per lamp per month.

| Type of Lamp | Nominal Lamp Wattage | Standard | Cutoff |
|-------------------------------|----------------------|----------|--------|
| On Wood Pole: | | | |
| High Pressure Sodium: | | | |
| 9,000 lumen | 100 | 17.81 | 23.06 |
| 16,000 lumen | 150 | 18.39 | - |
| 22,000 lumen | 200 | 19.73 | 20.02 |
| 50,000 lumen | 400 | 23.26 | 22.95 |
| On Metal Pole: | | | |
| High Pressure Sodium: | | | |
| 9,000 lumen | 100 | 28.45 | 33.70 |
| 16,000 lumen | 150 | 29.04 | - |
| 22,000 lumen | 200 | 30.38 | 36.17 |
| 50,000 lumen | 400 | 33.90 | 39.10 |
| Multiple Lamps on Metal Pole: | | | |
| High Pressure Sodium | | | |
| 9,000 lumen | 100 | 16.87 | 22.12 |
| 16,000 lumen | 150 | 17.45 | - |
| 22,000 lumen | 200 | 18.79 | 24.59 |
| 50,000 lumen | 400 | 22.31 | 27.51 |
| Component Units* | | | |
| High Pressure Sodium: | | | |
| 9,000 lumen post top | 100 | 16.91 | - |

* Available where customer pays for trenching and backfilling or provides for underground ducts designed to Company specifications

(Continued on Sheet No. 41-7D)

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Original Sheet No. 41-7D

P.U.C.O. NO. 20

SCHEDULE OAD - SL
(Open Access Distribution - Street Lighting Service)

Other Equipment

When facilities other than those specified above are to be installed by the Company, the customer will, in addition to the above monthly charge or charges, pay in advance the installation cost for the new facilities.

The Company may require the customer to pay for or furnish duct under pavements or adverse soil conditions should this be necessary for initial installation or due to paving underground feed after placement.

Transmission Service

Transmission service for customers served under this schedule will be made available under the terms and conditions contained within the applicable Open Access Transmission Tariff as filed with the Federal Energy Regulatory Commission and as specified in the Company's Terms and Conditions of Open Access Distribution Service.

Billing Options

The customer has the option of selecting the Company and/or an alternative supplier for billing services. Such services provided to the customer by an alternative supplier must be arranged through the CRES Provider who provides energy services to the customer. Unless the customer explicitly designates otherwise, the Company shall continue to provide such services.

1. A provider of consolidated billing must be registered with the Company as a qualified Billing Agent (BA) as specified in the Company's Supplier Terms and Conditions of Service. The BA shall then provide to the customer a consolidated monthly bill specifying the supplier and charges for generation, transmission, distribution and other services. Unless the customer chooses a BA to provide a consolidated bill, or the customer's CRES Provider has made arrangements with the Company to provide a Company-issued consolidated bill, the Company will provide a separate billing for distribution services under the provisions of this schedule.

Delayed Payment Charge

1. Due Bills are due and payable in full by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On accounts not so paid, an additional charge of 2% of the unpaid balance will be made.
2. Should a partial payment be made in lieu of the total payment of the amount owed to the Company, the payment provisions of this schedule shall apply. If a partial payment is made, such partial payment shall be applied to the various portions of the customer's bill in the following order: (a) past due CRES Provider charges, (b) past due distribution, Standard Offer Service generation and transmission charges, (c) current distribution, Standard Offer Service generation and transmission charges, (d) current CRES Provider charges, and (e) other past due and current non-regulated charges.
3. If the BA fails to provide payment to the Company by the date of the next monthly bill, the Company will thereafter directly bill the customer for distribution service. In addition, the financial instrument, as specified in the Supplier Terms and Conditions of Service, will be forfeited to the extent necessary to cover bills due and payable to the Company. Any remaining unpaid amounts and associated fees are the responsibility of the customer.

(Continued on Sheet No. 41-8D)

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Original Sheet No. 41-8D

P.U.C.O. NO. 20

SCHEDULE OAD - SL
(Open Access Distribution - Street Lighting Service)

Applicable Riders

Monthly charges computed under this schedule shall be adjusted in accordance with the Commission approved Riders on Sheet Number 4-1D.

Monthly Kilowatt-hour Usage

The monthly kilowatt-hours for each lamp type are as follows:

| Lamp | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4,000 Merc. | 51 | 43 | 43 | 36 | 32 | 29 | 31 | 35 | 39 | 45 | 48 | 52 |
| 7,000 Merc. | 91 | 76 | 76 | 65 | 58 | 52 | 55 | 63 | 69 | 81 | 86 | 92 |
| 11,000 Merc. | 126 | 106 | 106 | 90 | 81 | 72 | 77 | 88 | 97 | 113 | 119 | 129 |
| 20,000 Merc. | 199 | 167 | 167 | 142 | 127 | 114 | 121 | 138 | 152 | 178 | 188 | 203 |
| 50,000 Merc. | 477 | 400 | 400 | 340 | 304 | 272 | 291 | 331 | 363 | 427 | 449 | 486 |
| 9,000 HPS | 51 | 43 | 43 | 36 | 32 | 29 | 31 | 35 | 39 | 45 | 48 | 52 |
| 16,000 HPS | 74 | 62 | 62 | 53 | 47 | 42 | 45 | 51 | 57 | 66 | 70 | 75 |
| 22,000 HPS | 106 | 89 | 89 | 76 | 68 | 61 | 65 | 74 | 81 | 95 | 100 | 108 |
| 27,500 HPS | 127 | 106 | 106 | 90 | 81 | 72 | 77 | 88 | 96 | 113 | 119 | 129 |
| 50,000 HPS | 210 | 176 | 176 | 150 | 134 | 120 | 128 | 146 | 160 | 188 | 198 | 214 |

Electric Receptacles

A separate distribution charge of \$2.11/month shall be made when electrical receptacles are included in metal pole installations.

Ownership of Facilities

All facilities necessary for street lighting service hereunder, including but not limited to, all poles, fixtures, street lighting circuits, transformers, lamps and other necessary facilities shall be the property of the Company and may be removed if the Company so desires, at the termination of any contract for service hereunder. The Company will maintain all such facilities.

Distribution Energy Rate (Schedule Code 901)

The Company will furnish electric energy for a street lighting system owned and maintained by the customer at the following rate:

| | |
|------------------------------------|-------|
| Customer Charge (\$) | 17.60 |
| Distribution Energy Charge (¢/KWH) | 1.246 |

This service may be provided non-metered at the Company's option. The applicable monthly KWH charge for each non-metered lamp type shall be stated in the monthly kilowatt-hour usage chart.

Each non-metered service location shall be considered a point of delivery.

Each minimum charge under the electric energy rate for each point of delivery is the customer charge.

(Continued on Sheet No. 41-9D)

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SCHEDULE OAD - SL
(Open Access Distribution - Street Lighting Service)

At non-metered service locations, the customer shall notify the Company in advance of every change in connected load. The Company reserves the right to inspect the customer's equipment at any time to verify the actual load. In the event of the customer's failure to notify the company of an increase in load, the Company reserves the right to refuse to serve the point of service thereafter non-metered, and shall be entitled to bill the customer retroactively on the basis of the increased load for the full period such load was connected plus three months.

Customers taking service under the electric energy rate provision are subject to all applicable riders.

Hours of Lighting

Dusk to dawn lighting shall be provided, approximately 4,000 hours per annum.

Term of Contract

Contracts under this schedule will ordinarily be made for an initial term of five years with self-renewal provisions for successive terms of one year each until either party shall give at least 60 days' notice to the other of the intention to discontinue at the end of any term. The Company may, at its option, require a longer initial term of contract to fulfill the terms and conditions of service and/or in order to protect the Company's ability to recover its investment of costs over a reasonable period of time.

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Open Access Distribution Service.

The customer shall provide such cleared rights-of-way, licenses and permits as may be required to enable the Company to supply the service applied for.

Service will not be provided hereunder if in the judgment of the Company a danger or nuisance will be created thereby. Service will be terminated if after installation it proves to be a danger or nuisance.

Rates contained herein are based upon continuous use of facilities and are not applicable to seasonal use.

Tree trimming is performed by the Company only when doing so prevents damage to Company facilities.

Customers with cogeneration, small power production facilities, and/or other on-site sources of electrical energy supply shall take any required distribution service under Schedule OAD - SBS or Schedule OAD - NEMS.

Relocation and Removal of Lamps

Lamps may be relocated or removed when requested in writing by a proper representative of the customer, subject to the following conditions:

Lamps will be relocated upon payment by the customer of the estimated cost of doing the work.

Lamps will be removed upon payment by the customer of the estimated cost of doing the work plus the undepreciated investment less salvage value of the lamps removed.

Upon completion of the work, billing for relocation or removal of lamps will be adjusted to reflect actual costs.

(Continued on Sheet No. 41-10D)

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OHIO POWER COMPANY

Original Sheet No. 41-10D

P.U.C.O. NO. 20

SCHEDULE OAD - SL
(Open Access Distribution - Street Lighting Service)

The Company will remove or relocate lamps as rapidly as labor conditions will permit.
Temporary Disconnection of Lamps

The Company will for a period of up to six (6) months disconnect a lamp for a distribution charge of \$18.00 plus a monthly fixed distribution charge based upon the following schedule. Charges are \$ per lamp per month.

| | On Wood Pole | On Metal Pole | Multiple Lamps on Metal Pole | Post Top |
|--------------------------------|--------------|---------------|---------------------------------|----------|
| EXISTING FACILITIES: | | | | |
| High Pressure Sodium: | | | | |
| 9,000 lumen | 3.40 | 10.42 | 6.90 | 8.47 |
| 16,000 lumen | 3.45 | 10.45 | 6.93 | -- |
| 22,000 lumen | 4.13 | 11.13 | 7.61 | -- |
| 27,500 lumen | 4.30 | 11.30 | 7.80 | -- |
| 50,000 lumen | 4.47 | 11.47 | 7.95 | -- |
| 9,000 lumen cutoff | 3.40 | 10.42 | 6.90 | |
| 22,000 lumen cutoff | 4.13 | 11.13 | 7.61 | |
| 50,000 lumen cutoff | 4.47 | 11.47 | 7.95 | |
| Mercury Vapor: | | | | |
| 7,000 lumen | 2.25 | 5.06 | -- | 5.02 |
| 11,000 lumen | 2.70 | 5.82 | -- | -- |
| 20,000 lumen | 2.25 | 5.46 | 4.07 | -- |
| 50,000 lumen | 2.17 | 6.20 | -- | -- |
| FACILITIES ON NEW POLE: | | | | |
| High Pressure Sodium: | | | | |
| 9,000 lumen | 8.5 | 33.17 | 18.41 | 11.35 |
| 16,000 lumen | 9.8 | 33.30 | 18.45 | -- |
| 27,500 lumen | 10.20 | 33.70 | 18.90 | -- |
| 22,000 lumen | 10.42 | 34.01 | 19.16 | -- |
| 50,000 lumen | 12.59 | 34.40 | 19.55 | -- |

If within the six (6) months' period the customer requests to have the lamp reconnected, a distribution reconnection charge of \$18.00 shall be made and the lamp will be billed at the monthly rate charged prior to disconnection. Disconnected lamps will be removed after six (6) months and new installations will be billed at rates applicable to new installations.

Lamp Outages

For all aggregate outages of four (4) hours or more in any month which are reported in writing within ten (10) days of the end of the month to the Company by a proper representative of the customer, there shall be a pro-rata reduction from the bill under this schedule to reflect such outages.

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Effective: _____

Issued by
Joseph Hamrock, President
AEP Ohio

OHIO POWER COMPANY

Sheet No. 43-1D

P.U.C.O. NO. 20
OAD - Pole Attachment
(Open Access Distribution – Pole Attachment)

Availability of Service

Available to CATV or private (non-profit) communication system, other than a Public Utility, who has obtained, under law, any necessary public or private authorization and permission to construct and maintain attachments such as wire, cable, facility or other apparatus to the Company's poles, pedestals, or to place same in the Company's conduit duct space, so long as those attachments do not interfere, obstruct, or delay the service and operation of the Company or create a hazard to safety. As used in this Tariff, an "attachment of wire or cable and associated facilities or apparatus within one (1) foot of vertical space on any distribution pole owned by the Company.

Rates and Charges

The following distribution rates and charges shall apply to each pole of the Company, if any portion of it is occupied by or reserved for the customer's attachments.

Initial Contact Fee.....\$3.78 per pole

To cover the cost to the Company not separately accounted for in processing the application for each initial contact, but no such initial contact fee shall be required if the customer has previously paid an initial contact fee with respect to such pole location.

Billing for Initial Contact Fee will be rendered on the annual billing date each year for all accumulated initial contacts from the preceding year.

Annual Attachment Charge:

- A. CATV or private (non-profit) communication system, other than a Public Utility, a Rural Cooperative Electric Company or Electric Light Company Operated by a Municipality.....\$8.12 per pole per year

For each additional attachment made during the current rental year, as authorized and pursuant to the terms and conditions of the agreement as required herein, the annual charge shall be billed on the next annual billing date using the previous year's rate. The full attachment charge shall be payable for any pole occupied or reserved at any time during the rental year.

If the customer wishes to abandon an attachment during a rental year, notification should be made to the Company which will reduce the total number of rental contacts accordingly for the next annual rental billing.

Billing of annual charges will be rendered in advance annually on July 1st of each year and will be the rate in effect at the time of billing. In addition, the Company shall bill the customer for the prorated portion of any rate increase granted during the contract year.

(Continued on Sheet No. 43-2D)

Filed pursuant to Order dated _____ in Case No. _____

Issued: _____

Issued by
Joseph Hamrock, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

Sheet No. 43-2D

P.U.C.O. NO. 20
OAD - Pole Attachment
(Open Access Distribution – Pole Attachment)

Special Charges

Customer shall reimburse the Company for all non-recurring expenses caused by or attributable to Customer's attachments.

All charges for inspection, installation, removal, replacement or rearrangement work necessary to facilitate the Customer's attachments and requirements shall be based on the full cost and expense to the Company in performing such work. The charges shall be determined in accordance with the normal and customary methods used by the Company in determining such cost.

Billings for special charges shall be rendered as the work is performed. Company may require advance payment of special charges before any work is initiated.

The Company reserves the right to waive any portion of the charges under this schedule applicable to non-profit entities, rural electric cooperatives and Political Subdivisions of the State of Ohio.

Payments

Bills are due and payable in full by mail, checkless payment plan, electronic payment plan, or at an authorized payment agent of the Company, within 30 days from the date the bill is issued by the Company. On bills not so paid, the customer shall pay a one-time charge of 12% of the unpaid balance.

Contracts

Pole attachments shall be allowed only upon signing by the Company and the customer of a written Agreement making reference to this schedule, and upon the approval by the Company of a written application submitted by customer requesting permission to contact specific poles.

Term of Contract

Agreements executed with reference to this schedule shall continue in force until terminated by either party giving to the other prior written notice as prescribed in said agreements. No such termination, however, shall reduce or eliminate the obligation of the customer to make payments of any amounts due to Company for any services covered by this schedule, and shall not waive charges for any attachment until said attachment is removed from the pole to which it is attached.

Should the customer not place attachments or reserve space on the Company's poles in any portion of the area covered by the agreement within six months of its effective date, the Company may, at its option, terminate the Agreement.

Special Terms and Conditions

Terms and conditions of service for this schedule shall be pursuant to any Agreement existing between the Company and the customer on July 1, 2011. In the event that no such Agreement existed, then the terms and conditions of service shall be in accordance with the Company's standard Agreement and this schedule.

(Continued on Sheet No. 43-3D)

Filed pursuant to Order dated _____ in Case No. _____

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Issued by
Joseph Hamrock, President
AEP Ohio

OHIO POWER COMPANY

Sheet No. 43-3D

P.U.C.O. NO. 20
OAD -Pole Attachment
(Open Access Distribution – Pole Attachment)

Inspections

The Company reserves the right to inspect each new installation of Licensee on Its poles and in its conduit and to make periodic inspections/inventories every five (5) years or more often if, in the Company's sole discretion, the conditions may warrant and Licensee shall reimburse the Company for the expense of such inspections/inventories. The Company's right to make such inspections and any inspection made pursuant to such right shall not relieve Licensee of any responsibility, obligation, or liability imposed by law or assumed under the Agreement. When an unauthorized attachment or occupancy is found during an inspection/inventory, the Licensee will pay the Company an unauthorized attachment or occupancy sanction in the following amounts: \$100 per unauthorized attachment or occupancy plus five (5) years annual rental if an unauthorized attachment or occupancy is found and Licensee has not participated in a required audit; or \$50 per unauthorized attachment or occupancy plus five (5) years annual rental if the Licensee does participate in the audit or identifies the unauthorized attachment or occupancy on its own.

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Joseph Hamrock, President
AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 53-1D

P.U.C.O. NO. 20

OAD SUPPLEMENT NO. 21
(Open Access Distribution - Public Authority-Delayed Payment)

Availability

Available to federal, state, county, township and municipal governments and public school systems. It shall not be available to any customer receiving service pursuant to the terms of a special contract.

Delayed Payment Charge

Provisions relating to delayed payment charges in the applicable General Service Schedules shall be waived for customers in this category and the following Delayed Payment Provision shall be used.

Delayed Payment Provision

Bills from the Company are due and payable in full by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company. If bill payment is not received by the Company in its offices on or before the specified payment date which is the Company's next scheduled meter reading date, which in no case shall be less than 15 days from the mailing date of the bill, whether actual or estimated, an additional amount equal to 1.5% (one and one-half percent) of the unpaid balance, will become due and payable as part of the customer's total obligation. In no event shall the above delayed payment provision of 1.5% be applied to the same unpaid balance for more than three (3) consecutive months (or exceed 5.0% on any single month's bill for electric consumption that the delayed payment provision has been applied). Also, the amount of the delayed payment provision shall not be less than twenty-five cents (25¢) each month. This provision is not applicable to unpaid account balances existing on the effective date of the tariff pursuant to Case No. 84-486-EL-ATA.

Filed pursuant to Order dated _____ in Case No. _____ -

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Joseph Hamrock, President
AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 60-1D

P.U.C.O. NO. 20

OAD -UNIVERSAL SERVICE FUND RIDER
(Open Access Distribution – Universal Service Fund Rider)

Effective, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Universal Service Fund charge of 0.24312¢/KWH for the first 833,000 KWH consumed each month and 0.01731¢/KWH for all KWH consumed each month in excess of 833,000 KWH.

Filed pursuant to Order dated _____ in Case No. _____

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Joseph Hamrock, President
AEP Ohio

OHIO POWER COMPANY

1st Revised Sheet No. 62-1D
Cancels Original Sheet No. 62-1D

P.U.C.O. NO. 20

OAD KWH TAX RIDER
(Open Access Distribution - KWH Tax Rider)

Effective _____, all customer bills subject to the provision of this Rider, including any bills rendered under special contract, shall be adjusted by the KWH Tax charge per KWH as follows:

| | |
|--|-------------|
| For the first 2,000 KWH used per month | 0.465 ¢/KWH |
| For the next 13,000 KWH used per month | 0.419 ¢/KWH |
| For all KWH used in excess of 15,000 KWH per month | 0.363 ¢/KWH |

Commercial and industrial customers that qualify under Division (2) © of Section 5727.81, Ohio Revised Code, may elect to self-assess the KWH tax under the terms of that Section. Payment of the tax will be made directly to the Treasurer of the State of Ohio in accordance with Divisions (A)(4) and (5) of Section 5727.82, Ohio Revised Code.

This Rider shall not apply to federal government accounts.

Filed pursuant to Orders dated _____ in Case No. _____

Issued: _____

Issued by
Joseph Hamrock, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

Original 1st Revised Sheet No. 69-1D
Cancels Original Sheet No. 69-1D

P.U.C.O. NO. 20

OAD - PROVIDER OF LAST RESORT CHARGE RIDER
(Open Access Distribution - Provider of Last Resort Charge Rider)

Effective _____ all customer bills subject to the provision of this Rider, including any bills rendered under special contract, shall be adjusted by the Provider of the Last Resort Charge of \$0.00284 per KWH.

Customers of a governmental aggregation where the legislative authority that formed such governmental aggregation has filed written notice with the Commission pursuant to Section 4928.20 (J), Ohio Revised Code, that it has elected not to receive default service from the Company at standard service offer rates shall not be subject to charges under this Rider.

Customers that elect to take energy service from a CRES Provider and agree to pay the market price of power should they return to energy service from the Company, shall not be subject to charges under this Rider.

Filed pursuant to Orders dated _____ in Case No.

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Issued by
Joseph Hamrock, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

1st Revised Sheet No. 70-1D
Cancels Original Sheet No. 70-1D

P.U.C.O. NO. 20

ELECTRONIC TRANSFER RIDER
(Open Access Distribution – Electronic Transfer Rider)

For any General Service customer who agrees to make payments to the Company by electronic transfer, the 21 days provision in the Delayed Payment Charge in the General Service tariffs shall be modified to 22 days. If the 22nd day falls upon a weekend or the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, the payment must be received by the next business day to avoid the Delayed Payment Charge.

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Joseph Hamrock, President
AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 73-1D

P.U.C.O. NO. 20

OAD - MONONGAHELA POWER LITIGATION TERMINATION RIDER
(Open Access Distribution – Monongahela Power Litigation Termination Rider)

Effective Cycle 1 January 2006, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Monongahela Power Litigation Termination Rider of 0.01229¢ per KWH. This temporary Rider shall remain in effect until the amounts authorized by the Commission in Case No. 05-765-EL-UNC have been collected.

Filed pursuant to Orders _____ in Case _____

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Issued by
Joseph Hamrock, President
AEP Ohio

Effective: _____

OHIO POWER COMPANY

2nd Revised Sheet No. 81-1D
 Cancels 1st Revised Sheet No. 81-1D

P.U.C.O. NO. 20

OAD – ENERGY EFFICIENCY AND PEAK DEMAND REDUCTION COST RECOVERY RIDER
 (Open Access Distribution – Energy Efficiency and Peak Demand Reduction Cost Recovery Rider)

Effective _____, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Energy Efficiency and Peak Demand Reduction Cost Recovery charge per KWH as follows:

| Schedule | ¢/KWH |
|------------|---------|
| OAD – RS | 0.28902 |
| OAD – GS-1 | 0.26773 |
| OAD – GS-2 | 0.26773 |
| OAD – GS-3 | 0.26773 |
| OAD – GS-4 | 0.03845 |
| OAD – EHG | 0.26773 |
| OAD – EHS | 0.26773 |
| OAD – SS | 0.26773 |
| OAD – OL | 0.00000 |
| OAD – SL | 0.00000 |
| OAD – SBS | 0.00000 |

If approved by the Commission, mercantile customers that have committed their demand response or other customer-sited capabilities, whether existing or new, for integration into the Company's demand response, energy efficiency or peak demand reduction programs, may be exempted from this Rider.

Filed pursuant to Order dated _____ in Case No. _____

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Issued by
 Joseph Hamrock, President
 AEP Ohio

Effective _____

OHIO POWER COMPANY

4th Revised Sheet No. 82-1D
Cancels 3rd Revised Sheet No. 82-1D

P.U.C.O. NO. 20

OAD – ECONOMIC DEVELOPMENT COST RECOVERY RIDER
(Open Access Distribution – Economic Development Cost Recovery Rider)

Effective _____, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Economic Development Cost Recovery charge of 9.63500% of the customer's distribution charges under the Company's Schedules, excluding charges under any applicable Riders. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

Filed pursuant to Order dated _____ in Case No. _____

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Joseph Hamrock, President
AEP Ohio

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OHIO POWER COMPANY

3rd Revised Sheet No. 83-1D
Cancels 2nd Revised Sheet No. 83-1D

P.U.C.O. NO. 20

OAD – ENHANCED SERVICE RELIABILITY RIDER
(Open Access Distribution – Enhanced Service Reliability Rider)

Effective _____, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Enhanced Service Reliability charge of 4.58062% of the customer’s distribution charges under the Company’s Schedules, excluding charges under any applicable Riders. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

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Joseph Hamrock, President
AEP Ohio

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OHIO POWER COMPANY

1st Revised Sheet No. 84-1D
Cancels Original Sheet No. 84-1D

P.U.C.O. NO. 20

OAD - gridSMART[®] RIDER
(Open Access Distribution- gridSMART Rider)

Effective _____, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the monthly gridSMART charge. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

| | |
|---------------------------|---------------|
| Residential Customers | \$0.27/month |
| Non-Residential Customers | \$1.00/ month |

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OHIO POWER COMPANY

Original Sheet No. 87-1D

P.U.C.O. NO. 20

OAD - Deferred Asset Recovery Rider
(Open Access Distribution - Deferred Asset Recovery Rider)

Effective Cycle 1 January 2013, all customer bills subject to the provision of this Rider, including any bills rendered under special contract, shall be adjusted by the Deferred Asset Recovery Rider charge of 12.2562% of the customer's distribution charges under the Company's Schedules, excluding charges under any applicable Riders. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

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OHIO POWER COMPANY

Original Sheet No. 89-1D

P.U.C.O. NO. 20

OAD Distribution Investment Rider
(Open Access Distribution - Distribution Investment Rider)

Effective _____, all customer bills subject to the provision of this Rider, including any bills rendered under special contract, shall be adjusted by the Distribution Investment Rider charge of 0.00% of the customer's distribution charges under the Company's Schedules, excluding charges under any applicable Riders. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

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