

# Large Filing Separator Sheet

Case Number    11-346-EL-SSO  
                    11-348-EL-SSO  
                    11-349-EL-AAM  
                    11-350-EL-AAM

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OHIO POWER COMPANY

1<sup>st</sup> Revised Sheet No. 20-1  
Cancels Original Sheet No. 20-1

P.U.C.O. NO. 19

**SCHEDULE GS-1**  
(General Service - Non-Demand Metered)

Availability of Service

Available for general service to customers with maximum demands less than 10 KW (excluding the demand served by the Energy Storage Provision).

Monthly Rate (Schedule Code 211)

	Generation	Distribution	Total
Customer Charge (\$)	--	13.17	13.17
Energy Charge (¢ per KWH)	3.41765	0.27999	3.69764

Minimum Charge

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

Delayed Payment Charge

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.

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	69-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1

Term of Contract

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

(Continued on Sheet No. 20-2)

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Joseph Hamrock, President  
AEP Ohio

OHIO POWER COMPANY

1<sup>st</sup> Revised Sheet No. 20-2  
Cancels Original Sheet No. 20-2

P.U.C.O. NO. 19

**SCHEDULE GS-1**  
(General Service - Non-Demand Metered)Special Terms and Conditions

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

Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under Schedule SBS or Schedule NEMS.

Energy Storage Provision

Available to customers who use energy storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space heating and/or cooling systems and water heaters which consume electrical energy only during off-peak hours specified by the Company and store energy for use during on-peak hours, and who desire to receive service under this provision for their total requirements. A time-of-day meter is required to take service under this provision.

Customers who desire to separately wire their energy storage load to a time-of-day meter and their general-use load to a standard meter shall receive service under the appropriate provisions of this schedule. The distribution service charge for the separate meter shall be \$1.05 per customer per month.

Monthly Rate (Schedule Code 225)

	Generation	Distribution	Total
Energy Storage Customer Charge (\$)	--	15.08	15.08
Energy Storage Energy Charge (\$ per KWH):			
For all KWH used during the on-peak Billing period	5.58107	0.52646	6.10753
For all KWH used during the off-peak Billing period	1.21834	0.03512	1.25346

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 7 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

The Company reserves the right to inspect at all reasonable times the customer's energy storage devices which qualify for service under this provision, and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds that, in its sole judgment, the availability conditions of this provision are being violated, it may discontinue billing the customer under this provision and commence billing under the appropriate general service schedule.

(Continued on Sheet No. 20-3)

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P.U.C.O. NO. 19

**SCHEDULE GS-1**  
(General Service - Non-Demand Metered)

Optional Unmetered Service Provision

Available to customers who qualify for Schedule GS-1 and use the Company's 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 furnished at the option of the Company.

Each separate service delivery point shall 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 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 as follows:

Monthly Rate (Schedule Code 213)

	Generation	Distribution	Total
Unmetered Service Customer Charge (\$)	—	7.35	7.35
Unmetered Service Energy Charge (¢ per KWH)	3.41765	0.27999	3.69764

This provision is subject to the Terms and Conditions of Schedule GS-1.

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P.U.C.O. NO. 19

**SCHEDULE GS-2**  
(General Service - Low Load Factor)

Availability of Service

Available for general service to customers with maximum demands greater than or equal to 10 KW but less than 8,000 KW (excluding the demand served by the Energy Storage Provision).

Schedule Codes		Generation	Distribution	Total
215, 218, 231	<b>Secondary Voltage:</b>			
	Demand Charge (\$ per KW)	—	2.75	2.75
	Excess KVA Demand Charge (\$ per KVA)	—	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	2.93	—	2.93
	Energy Charge (¢ per KWH)	3.07759	0.03512	3.11271
	Customer Charge (\$)	—	22.91	22.91
	Maximum Energy Charge (¢ per KWH)	7.35437	5.53420	12.88857
217, 219, 232	<b>Primary Voltage:</b>			
	Demand Charge (\$ per KW)	—	1.98	1.98
	Excess KVA Demand Charge (\$ per KVA)	—	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	2.12	—	2.12
	Energy Charge (¢ per KWH)	3.03627	0.03512	3.07139
	Customer Charge (\$)	—	95.47	95.47
	Maximum Energy Charge (¢ per KWH)	9.85034	3.98758	13.83792
236, 237	<b>Subtransmission Voltage:</b>			
	Demand Charge (\$ per KW)	—	1.60	1.60
	Excess KVA Demand Charge (\$ per KVA)	—	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	1.65	—	1.65
	Energy Charge (¢ per KWH)	3.00940	0.03512	3.04452
	Customer Charge (\$)	—	272.09	272.09
	Maximum Energy Charge (¢ per KWH)	10.88838	3.24291	14.13129

(Continued on Sheet No. 21-2)

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P.U.C.O. NO. 19

**SCHEDULE GS-2**  
(General Service - Low Load Factor)

Monthly Rate (Cont'd)

Schedule Codes		Generation	Distribution	Total
238, 239	<b>Transmission Voltage:</b>			
	Demand Charge (\$ per KW)	--	1.12	1.12
	Excess KVA Demand Charge (\$ per KVA)	--	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	.86	--	.86
	Energy Charge (¢ per KWH)	2.96764	0.03512	3.00276
	Customer Charge (\$)	--	534.63	534.63
	Maximum Energy Charge (¢ per KWH)	12.32665	2.26912	14.59477

Minimum and Maximum Charge

Bills computed under the above rate are subject to the operation of Minimum and Maximum Charge provisions as follows:

- (a) **Minimum Charge** - The sum of the customer charge, the product of the demand charge and the monthly billing demand, and all applicable riders.
- (b) **Maximum Charge** - The sum of the customer charge, the product of the maximum energy charge and the metered energy, and all applicable riders. This provision shall not reduce the charge below the amount specified in the Minimum Charge provision above, (a).

Monthly Billing Demand

Energy supplied 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 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.

(Continued on Sheet No. 21-3)

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Original Sheet No. 21-3

P.U.C.O. NO. 19

**SCHEDULE GS-2**  
(General Service - Low Load Factor)

Monthly Billing Demand (Cont'd)

For customers primarily engaged in seasonal agricultural related activities, the minimum monthly billing demand 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.

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

Excess KVA Demand

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.

Optional Time-of-Day Provision

Available to customers who operate primarily during the off-peak period (as set forth below) and request the installation of time-of-day metering in order to receive service under this provision. The customer shall be required to pay the necessary additional metering cost.

For the purpose of this provision, the monthly billing demand as defined above shall be determined during the on-peak period. The off-peak excess demand shall be the amount by which the demand created during the off-peak period exceeds the monthly billing demand.

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 7 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Metered Voltage Adjustment

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 and RKVAH values will be adjusted for billing purposes. If the Company elects to adjust KWH, KW and RKVAH based on multipliers, the adjustment shall be in accordance with the following:

(Continued on Sheet No. 21-4)

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P.U.C.O. NO. 19

**SCHEDULE GS-2**  
(General Service - Low Load Factor)

Metered Voltage Adjustment(Cont'd)

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

Delayed Payment Charge

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.

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	69-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

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 local facilities are required. The Company may, at its option, require a longer initial term of contract.

(Continued on Sheet No. 21-5)

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P.U.C.O. NO. 19

**SCHEDULE GS-2**  
(General Service - Low Load Factor)

Term of Contract (Cont'd)

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the applicable Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

Special Terms and Conditions

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

In the event the Company, in order to prevent voltage fluctuations 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 \$0.49/KVA of installed transformer capacity.

Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under Schedule SBS or Schedule NEMS.

Energy Storage Provision

Available to customers who use energy storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space heating and/or cooling systems and water heaters which consume electrical energy only during off-peak hours specified by the Company and store energy for use during on-peak hours. Customers eligible to be served under this provision shall have the load management devices separately metered by a time-of-day meter.

Monthly Rate (Schedule Code 223)

	Generation	Distribution	Total
Energy Storage Additional Customer Charge (\$)	—	2.96	2.96
Energy Storage Energy Charge (\$ per KWH):			
For all KWH used during the on-peak billing period	3.52183	2.27282	5.79465
For all KWH used during the off-peak billing period	1.21314	0.03512	1.24826

(Continued on Sheet No. 21-6)

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**SCHEDULE GS-2**  
**(General Service - Low Load Factor)**

Energy Storage Provision (Cont'd)

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 7 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

The Company reserves the right to inspect at all reasonable times the customer's energy storage devices which qualify for service under this provision, and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds that, in its sole judgment, the availability conditions of this provision are being violated, it may discontinue billing the customer under this provision and commence billing under the appropriate general service schedule.

Recreation Lighting Service

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

Monthly Rate (Schedule Code 214)

	Generation	Distribution	Total
Recreational Lighting Customer Charge (\$)	—	17.23	17.23
Recreational Lighting Energy Charge (¢ per KWH)	2.94402	1.25784	4.20186

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P.U.C.O. NO. 19

**SCHEDULE GS-TOD**  
(General Service - Time-of-Day)

Availability of Service

Available for general service customers with maximum demands less than 500 KW. Availability is limited to secondary service and the first 1,000 customers applying for service under this schedule.

Monthly Rate (Schedule Code 229)

	Generation	Distribution	Total
Customer Charge (\$)	--	23.15	23.15
Energy Charge (¢ per KWH):			
For all KWH used during the on-peak Billing period	3.52183	2.27282	5.79465
For all KWH used during the off-peak billing period	1.21314	0.03512	1.24826

On-Peak and Off-Peak Hours

For the purpose of this schedule, the on-peak billing period is defined as 7 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 7 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Minimum Charge

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

Delayed Payment Charge

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.

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

(Continued on Sheet No. 22-2)

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P.U.C.O. NO. 19

**SCHEDULE GS-TOD**  
(General Service - Time-of-Day)

Applicable Riders (Cont'd)

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	68-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

Term of Contract

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the applicable Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

Special Terms and Conditions

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

Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGENN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under Schedule SBS or Schedule NEMS.

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P.U.C.O. NO. 19

**SCHEDULE GS-3**  
(General Service - Medium/High Load Factor)

Availability of Service

Available for general service to customers with maximum demands greater than or equal to 10 KW but less than 8,000 KW (excluding the demand served by the Energy Storage Provision).

Schedule Codes		Generation	Distribution	Total
240, 242, 250	<b>Secondary Voltage:</b>			
	Demand Charge (\$ per KW)	9.28	4.13	13.41
	Excess KVA Demand Charge (\$ per KVA)	--	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	2.93	--	2.93
	Energy Charge (¢ per KWH)	0.13144	0.03512	0.16656
	Customer Charge (\$)	--	22.91	22.91
	Maximum Energy Charge (¢ per KWH)	0.48651	4.16897	4.65548
244, 246, 254	<b>Primary Voltage:</b>			
	Demand Charge (\$ per KW)	8.97	3.31	12.28
	Excess KVA Demand Charge (\$ per KVA)	--	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	2.42	--	2.42
	Energy Charge (¢ per KWH)	0.19129	0.03512	0.22641
	Customer Charge (\$)	--	95.47	95.47
	Maximum Energy Charge (¢ per KWH)	40.81549	3.34793	44.16342
248, 256	<b>Subtransmission Voltage:</b>			
	Demand Charge (\$ per KW)	8.72	2.93	11.65
	Excess KVA Demand Charge (\$ per KVA)	--	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	1.65	--	1.65
	Energy Charge (¢ per KWH)	0.22566	0.03512	0.26078
	Customer Charge (\$)	--	272.09	272.09
	Maximum Energy Charge (¢ per KWH)	41.47007	2.96805	44.43702
245, 257	<b>Transmission Voltage:</b>			
	Demand Charge (\$ per KW)	8.67	2.40	10.97
	Excess KVA Demand Charge (\$ per KVA)	--	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	0.86	--	0.86
	Energy Charge (¢ per KWH)	0.21727	0.03512	0.25239
	Customer Charge (\$)	--	534.63	534.63
	Maximum Energy Charge (¢ per KWH)	12.25411	2.43142	14.68553

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**SCHEDULE GS-3**  
(General Service - Medium/High Load Factor)

Minimum and Maximum Charge

Bills computed under the above rate are subject to the operation of Minimum and Maximum Charge provisions as follows:

- (a) Minimum Charge - The sum of the customer charge, the product of the demand charge and the monthly billing demand, and all applicable riders.
- (b) Maximum Charge - The sum of the customer charge, the product of the maximum energy charge and the metered energy, and all applicable riders. This provision shall not reduce the charge below the amount specified in the Minimum Charge provision above, (a).

Monthly Billing Demand

Energy supplied 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 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% 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.

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

Excess KVA Demand

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.

(Continued on Sheet No. 23-3)

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OHIO POWER COMPANY

Original Sheet No. 23-3

P.U.C.O. NO. 19

**SCHEDULE GS-3**  
(General Service - Medium/High Load Factor)

Optional Time-of-Day Provision

Available to customers who operate primarily during the off-peak period (as set forth below) and request the installation of time-of-day metering in order to receive service under this provision. The customer shall be required to pay the necessary additional metering cost.

For the purpose of this provision, the monthly billing demand as defined above shall be determined during the on-peak period. The off-peak excess demand shall be the amount by which the demand created during the off-peak period exceeds the monthly billing demand.

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 7 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Metered Voltage Adjustment

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 and RKVAH values will be adjusted for billing purposes. If the Company elects to adjust KWH, KW and RKVAH based on multipliers, the adjustment shall be in accordance with the following:

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

Delayed Payment Charge

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.

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1<sup>st</sup> Revised Sheet No. 23-4  
Cancels Original Sheet No. 23-4

P.U.C.O. NO. 19

**SCHEDULE GS-3**  
(General Service - Medium/High Load Factor)

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	69-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

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.

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the appropriate Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

Special Terms and Conditions

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

(Continued on Sheet No. 23-5)

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**SCHEDULE GS-3**  
(General Service - Medium/High Load Factor)

Special Terms and Conditions (Cont'd)

In the event the Company, in order to prevent voltage fluctuations 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 \$0.49/KVA of installed transformer capacity.

Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under Schedule SBS or Schedule NEMS.

Energy Storage Provision

Available to customers who use energy storage devices with time-differentiated load characteristics approved by the Company, such as electric thermal storage space heating and/or cooling systems and water heaters which consume electrical energy only during off-peak hours specified by the Company and store energy for use during on-peak hours. Customers eligible to be served under this provision shall have the load management devices separately metered by a time-of-day meter.

Monthly Rate (Schedule Code 251)

	Generation	Distribution	Total
Energy Storage Additional Customer Charge (\$)	—	2.96	2.96
Energy Storage Energy Charge (\$ per KWH):			
For all KWH used during the on-peak billing period	3.59697	2.27282	5.86979
For all KWH used during the off-peak billing period	1.28828	0.03512	1.32340

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 7 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

The Company reserves the right to inspect at all reasonable times the customer's energy storage devices which qualify for service under this provision, and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds that, in its sole judgment, the availability conditions of this provision are being violated, it may discontinue billing the customer under this provision and commence billing under the appropriate general service schedule.

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OHIO POWER COMPANY

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P.U.C.O. NO. 19

SCHEDULE GS-4  
(General Service - Large)Availability of Service

Available for general service customers. The customer shall contract for a sufficient capacity to meet normal maximum requirements, but in no case shall the capacity contracted for be less than 8,000 KW.

Customers with multiple plants served under Schedule I.P., P.U.C.O. No. 14, 5th Revised Sheet No. 18, on April 10, 1981, at a subtransmission or transmission delivery voltage pursuant to the provision then in the tariff which provided that contracts will be made for minimum capacities of 20,000 KVA in the aggregate for all plants, but not less than 3,000 KVA at any one plant, may continue to be served hereunder at the rate for the appropriate delivery voltage. Additional or substitute plants may not be served under that provision.

Monthly Rate

Schedule Codes		Generation	Distribution	Total
322	<b>Primary Voltage:</b>			
	Demand Charge (\$ per KW)	9.80	2.77	12.57
	Off-Peak Excess Demand Charge (\$ per KW)	5.84	--	5.84
	Energy Charge (¢ per KWH)	0.00943	0.03512	0.04425
	Customer Charge (\$)	--	162.30	162.30
323	<b>Subtransmission Voltage:</b>			
	Demand Charge (\$ per KW)	9.55	1.15	10.70
	Off-Peak Excess Demand Charge (\$ per KW)	2.10	--	2.10
	Energy Charge (¢ per KWH)	0.06450	0.03512	0.08674
	Customer Charge (\$)	--	429.62	429.62
324	<b>Transmission Voltage:</b>			
	Demand Charge (\$ per KW)	9.38	0.43	9.81
	Off-Peak Excess Demand Charge (\$ per KW)	1.06	--	1.06
	Energy Charge (¢ per KWH)	0.04747	0.03512	0.08259
	Customer Charge (\$)	--	534.63	534.63

The distribution Reactive Demand Charge for each KVAR of reactive demand, leading or lagging, in excess of 50% of the KW metered demand is \$0.48 per KVAR.

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 applicable riders.

(Continued on Sheet No. 24-2)

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**SCHEDULE GS-4**  
**(General Service - Large)**

**Monthly Billing Demand**

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. The monthly billing demand established hereunder shall not be less than 60% of the greater of (a) the customer's contract capacity, or (b) the customer's highest previously established monthly billing demand during the past 11 months, nor less than 8,000 KW.

For customers having multiple plants pursuant to the second paragraph under Availability of Service above, the monthly billing demand in KW for each plant shall be taken as the single highest 30-minute integrated peak in KW as registered at such plant during the month by a demand meter or indicator, but the monthly billing demand so established shall in no event be less than 60% of the greater of (a) the customer's contract capacity at such plant or (b) the customer's highest previously established monthly billing demand at such plant during the past 11 months, or less than 3,000 KW, nor shall the sum of the billing demands at all plants be less than 20,000 KW in any month.

The reactive demand in KVAR shall be taken each month as the single highest 30-minute integrated peak in KVAR as registered during the month by a demand meter, or indicator, or, at the Company's option, as the highest registration of a thermal-type demand meter or indicator.

**Optional Time-of-Day Provision**

Available to customers who operate primarily during the off-peak period (as set forth below) and request the installation of time-of-day metering in order to receive service under this provision. The customer shall be required to pay the necessary additional metering cost.

For the purpose of this provision, the monthly billing demand as defined above shall be determined during the on-peak period. The off-peak excess demand shall be the amount by which the demand created during the off-peak period exceeds the monthly billing demand.

For the purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 7 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

**Metered Voltage Adjustment**

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

(Continued on Sheet No. 24-3)

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SCHEDULE GS-4  
(General Service - Large)Metered Voltage Adjustment (cont'd)

quantities. In such cases the metered KWH, KW and KVAR values will be adjusted for billing purposes. If the Company elects to adjust KWH, KW and KVAR based on multipliers, the adjustment shall be in accordance with the following:

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

Delayed Payment Charge

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, customer shall pay Company interest on the unpaid amount at the rate of 8% per annum from the due date to the date of payment of said bills.

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	68-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

Term of Contract

Contracts under this schedule will be made for an initial period of not less than 2 years and shall remain in effect thereafter until either party shall give at least 1 year's written notice to the other of the intention to discontinue service under the terms of this schedule.

(Continued on Sheet No. 24-4)

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**SCHEDULE GS-4**  
**(General Service - Large)**

Term of Contract (Cont'd)

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.

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from an alternate CRES Provider, pursuant to the terms of the appropriate Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

Special Terms and Conditions

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

A customer's plant is considered as one or more buildings which are served by a single electrical distribution system provided and operated by customer. When the size of the customer's load necessitates the delivery of energy to the customer's plant over more than 1 circuit, the Company may elect to connect its circuits to different points on the customer's system irrespective of contrary provisions in Terms and Conditions of Service.

Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under Schedule SBS or Schedule NEMS.

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**SCHEDULE RIDER IRP-D**  
**(Interruptible Power - Discretionary)**

**Availability of Service**

~~Service pursuant to this schedule rider is available to customers taking service under Schedule IRP-D as of December 31, 2011, that have provided reasonable evidence to the Company that their electric service can be interrupted within a 10-minute notice period. Customers shall contract for electrical capacity sufficient to meet normal maximum requirements but not less than 1,000 KW of interruptible capacity.~~

~~The total interruptible power contract capacity for all customers served under this schedule and all other interruptible power schedules, contracts and agreements offered by the Company, will be limited to 450,000 KW. Loads of new customers locating within the Company's service area or load expansions by existing customers may be offered interruptible service as part of an economic development or competitive response incentive. Such interruptible service shall not be counted toward the limitation on total interruptible power contract capacity, as specified above, and will not result in a change to the limitation on total interruptible power contract capacity.~~

The Company communicates interruption information to the customer, monitors customer load and receives customer replacement electricity decisions through its Customer Communications System or a successor system. All costs associated with providing the initial, required Customer Communications System will be borne by the customer.

**Interruption Conditions**

The Company reserves the right to interrupt, in its sole discretion, service under this schedule rider at any time. Such interruptions shall be designated as Discretionary Interruptions and shall not exceed 200 hours of interruption during any year. For the purposes of this provision, a year shall be defined as a consecutive twelve (12) month period commencing on May 1 and ending on April 30. ~~For the partial year of January 1, 2009 through April 30, 2009, the annual limitation on the hours of Discretionary Interruption shall be 66 hours. Discretionary Interruptions will be called simultaneously for all customers served under this rider schedule.~~

In addition to the annual limitation as specified above, the hours of Discretionary Interruption shall be limited as follows:

1. A Discretionary Interruption, beginning and ending as specified in the Interruption Notice provision below, shall constitute one (1) event.
2. A Discretionary Interruption event shall not be less than three (3) consecutive hours, unless there are less than three (3) hours of Discretionary Interruption remaining for the year.
3. There shall not be more than 12 hours of Discretionary Interruption per day.
4. During the calendar months of March through November, there shall not be more than one (1) Discretionary Interruption event per day.

(Continued on Sheet No. 25-2)

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**SCHEDULE RIDER IRP-D**  
**(Interruptible Power - Discretionary)**

Interruption Conditions (Cont'd)

5. During the calendar months of December, January and February, there shall not be more than two (2) Discretionary Interruption events per day. Any such Discretionary Interruption events shall be separated by not less than three (3) consecutive hours without Discretionary Interruption.

Emergency Interruptions pursuant to the AEP Emergency Operating Plan, for system integrity purposes or for emergency sales to other utilities, shall not count toward the total hours of interruption specified above or toward the five (5) limits specified above.

Interruption Notice

The Company will endeavor to provide the customer as much advance notice as possible of a Discretionary Interruption. Such notice shall specify the starting and ending hour of the Discretionary Interruption. Discretionary Interruptions shall begin and end on the clock hour. The Company shall provide notice to the customer a minimum of 100 minutes prior to the commencement of a Discretionary Interruption. After such notice, the customer will be required to interrupt service within 100 minutes if so requested by the Company. In emergency situations, the customer will be required to interrupt service immediately.

Failure to Comply With A Request For Interruption

1. If the customer fails to interrupt load as requested by the Company for a Discretionary Interruption, the customer will be required to pay for the entire uninterrupted energy for the duration of the Discretionary Interruption at two (2) times the Replacement Electricity price offered by the Company. The uninterrupted energy will be calculated for each 30-minute period during the Discretionary Interruption as one-half of the difference between the 30-minute integrated demand and the sum of the customer's contract capacities under any schedule where service is not interrupted.
2. If the customer fails to interrupt load as requested by the Company for an Emergency Interruption, the customer will be required to refund all rate discounts received under this ~~schedule rider~~ during the preceding 12 months for the uninterrupted demand. The uninterrupted demand will be calculated as the difference between the maximum 30-minute integrated demand during each Emergency Interruption and the sum of the customer's contract capacities under any schedule where service is not interrupted. The rate discount will be the ~~difference between the demand charge credit as specified in this riderschedule and the Schedule GS-4 demand charge.~~
3. If the customer fails to interrupt load as requested by the Company during an Emergency Interruption, the Company further reserves the right to:
  - a) Interrupt the customer's entire load.

(Continued on Sheet No. 25-3)

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SCHEDULERIDER IRP-D  
(Interruptible Power - Discretionary)

Failure to Comply With A Request For Interruption (Cont'd)

- b) Discontinue service to the customer under this ~~schedule-rider~~ if the customer fails to interrupt load twice during any 12-month period as requested by the Company. The Company may thereafter charge the customer, as specified in the Term of Contract provision of this ~~schedulerider~~, for any additional costs beyond the firm service rate incurred by the Company as a result of the customer transferring to firm service without providing proper notice.

Term of Contract

The customer shall contract for capacity sufficient to meet normal maximum power requirements under the applicable standard service rate schedule, ~~but in no event will the amount of interruptible capacity contracted for be less than 1,000 KW at any delivery point. The Company will not be required to supply capacity in excess of that contracted for except by mutual agreement. In the absence of such agreement, if the customer's demand exceeds the contract capacity, the Company may promptly notify the customer to reduce demand and may interrupt the service if such reduction is not accomplished.~~

Contracts under this ~~schedule-rider~~ shall be made for an initial period of not less than 2 years and shall remain in effect unless either party shall give at least 1-year's written notice to the other of the intention to discontinue service from the Company.

~~A new initial contract period will not be required for existing customers who increase their contract capacity requirements after the original notice period unless new or additional facilities are required, in which case, the Company may, at its option, require a longer initial contract period.~~

While the customer will be required to provide at least 1-year's notice to discontinue service from the Company, the customer will be required to provide 5-year's notice prior to transferring to firm service. Concurrent with providing the Company with notice to transfer to firm service, the customer will also be required to enter into a firm service contract or agreement that will become effective at the end of the notice period.

The customer may transfer to firm service with less than 5-year's notice, upon mutual agreement between the customer and the Company, subject to the following conditions:

1. If the Company has sufficient capacity to provide the customer firm service and would incur no additional costs beyond the firm service rate until after the 5-year contract notice requirement is fulfilled, the customer will be billed under the applicable firm service schedule.
2. If the Company has insufficient capacity to provide the customer firm service prior to the expiration of the notice period, the customer will be billed under the applicable firm service schedule plus all additional costs incurred by the Company in obtaining power from alternative electricity suppliers in order to provide firm service to the customer.

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**SCHEDULERIDER IRP-D**  
**(Interruptible Power - Discretionary)**

Term of Contract (Cont'd)

~~Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the applicable Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.~~

Firm Service Designation

~~In the event the customer requires service which is not subject to interruption as provided for under this schedule, such service shall either be (a) separately supplied and metered under the provisions of a schedule applicable to the type of service which the customer requires or (b) billed under the provisions of Schedule GS 4. If such firm service is billed under the provisions of Schedule GS 4, the customer will not be subject to the minimum contract demand of 8,000 KW. The customer must designate a firm service contract capacity for such service.~~

Replacement Electricity

When a Discretionary Interruption is called pursuant to the Interruption Conditions provision contained herein, and if requested by the customer, the Company will use its best efforts to supply replacement electricity in order for the customer to avoid an interruption. The customer will be required to specify an hourly KW capacity, in multiples of 1,000 KW, of such replacement electricity 65 minutes in advance of the commencement of each hour of the Discretionary Interruption.

The purchase and delivery of such replacement electricity will be subject to the following terms and conditions of service:

1. The customer agrees to pay the price offered by the Company. Such price shall be provided by the Company 100 minutes in advance of the commencement of each hour of the Discretionary Interruption.
2. Best efforts shall mean actions of the Company that are reasonable, prudent and consistent with good utility practice. Best efforts do not include fiduciary or extraordinary actions.
3. Once replacement electricity is being supplied to the customer, if the customer is notified that replacement electricity is no longer available, the terms of this provision will cease to apply and the customer must comply with all other provisions of this schedule rider regarding interruption.
4. If any replacement electricity source fails to deliver scheduled replacement electricity, the Company reserves the right to interrupt service to the customer. Further, the customer will indemnify and hold the Company harmless for any damages to persons or property occurring at the customer's premises resulting from the interruption of the customer when the replacement electricity source fails to deliver replacement electricity as scheduled.

(Continued on Sheet No. 25-5)

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**SCHEDULE RIDER IRP-D**  
**(Interruptible Power - Discretionary)**

Replacement Electricity (Cont'd)

5. The Company reserves the right to interrupt the sale of replacement electricity to the customer if, in the sole judgement of the Company, such electricity is required to maintain service to the Company's customers with a higher priority of service according to the Capacity & Energy AEP Emergency Control Program Operating Plan, for system integrity purposes or for emergency sales to other utilities. Any such interruption shall be remedied as quickly as reasonably possible and must be preceded by the exhaustion of other reasonable alternatives consistent with good utility practice to avoid the interruption.
6. All costs of any metering, communications and other equipment necessary for providing replacement electricity will be borne by the customer. Such costs will include the costs of any equipment required to verify the scheduled delivery of replacement electricity from a replacement electricity source to the Company.
7. The customer will be responsible for all costs resulting when the demand exceeds the replacement electricity capacity specified by the customer. The Company will compensate the customer for replacement electricity available for, but not used by the customer at a rate of 2.5¢ per KWH, except when the unused replacement electricity causes additional costs to the Company by creating operating instability on the Company's system. If the unused replacement electricity causes additional costs due to system instability, the Company shall notify the customer as soon as possible so the customer can take appropriate action to prevent incurring further costs.

~~The customer may also designate a specific source of replacement electricity to be purchased by the Company during Discretionary Interruptions. The terms and conditions of service under which the Company will purchase designated source replacement electricity will be identical to those listed above for purchases of non-designated source replacement electricity. In addition, customers designating a specific replacement electricity source will also be subject to the following supplemental terms and conditions of service:~~

- ~~1. The Company shall take title to any replacement electricity from a designated source.~~
- ~~2. The procurement of replacement electricity by the Company from designated sources shall not involve the use of inappropriate operating procedures or otherwise negatively affect the Company's ability to meet the requirements of its firm service customers.~~
- ~~3. The customer may specify up to 5 replacement electricity sources at the time the service contract is signed. The customer may change the specified sources no more than once during every 6-month period.~~

(Continued on Sheet No. 25-6)

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**SCHEDULERIDER IRP-D**  
**(Interruptible Power - Discretionary)**

Replacement Electricity (Cont'd)

7. ~~In the event that all or any portion of a supply of designated source replacement electricity is used by the Company to support service to the Company's customers with a higher priority of service according to the AEP Emergency Operating Plan, for system integrity purposes or for emergency sales to other utilities, the customer not receiving the designated source replacement electricity will be entitled to reasonable compensation from the Company for the customer's incurred cost for replacement electricity. The Company will endeavor to utilize other available sources of replacement electricity to supply service to the Company's customers as described above before utilizing all or any portion of a supply of designated source replacement electricity.~~

Supplemental Interruptions

~~In addition to the Discretionary and Emergency Interruptions as specified above, the Company may, in its sole discretion, request the consent of the customer for additional hours of non-emergency interruptions. Such interruptions shall be designated Supplemental Interruptions. The Company and the customer shall mutually agree upon all of the following items prior to a Supplemental Interruption:~~

- ~~1. The Requested Capacity — the amount of capacity in KW to be curtailed by the customer in each 30-minute interval of the Supplemental Interruption;~~
- ~~2. The starting hour of the Supplemental Interruption;~~
- ~~3. The duration of the Supplemental Interruption; and~~
- ~~4. The Requested Price — the price per KWH to be paid by the Company for Supplemental Energy.~~

~~For each Supplemental Interruption, the Base Level Demand shall be calculated as the average integrated demand for the six (6) 30-minute intervals immediately preceding the Supplemental Interruption.~~

~~For each 30-minute interval during a Supplemental Interruption, the Supplemental Demand shall be calculated as the Base Level Demand less the customer's 30-minute integrated demand during that interval. In no event shall the Supplemental Demand so calculated be greater than the Requested Capacity, nor less than 0. Supplemental Energy shall be calculated as the sum of the Curtailed Demand for all intervals during the Supplemental Interruption, divided by two (2).~~

~~For each 30-minute interval during a Supplemental Interruption, the Noncompliance Demand shall be calculated as the customer's 30-minute integrated demand during that interval plus the Requested Capacity less the Base Level Demand. In no event shall the Noncompliance Demand so calculated be less than 0. Noncompliance Energy shall be calculated as the sum of the Noncompliance Demand for all intervals during the Supplemental Interruption, divided by two (2).~~

(Continued on Sheet No. 25-8)

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**SCHEDULERIDER IRP-D**  
**(Interruptible Power - Discretionary)**Supplemental Interruptions (Cont'd)

For each Supplemental Interruption, the Net Curtailment Credit shall be defined as the product of the Supplemental Energy and the Requested Price less the product of the Noncompliance Energy and three (3) times the Requested Price. The Net Monthly Credit shall be equal to the sum of the Net Curtailment Credits for the calendar month. The Net Monthly Credit will be provided to the customer by check within 30 days after the end of the month in which the curtailment occurred. This amount will be recorded in Account 555, Purchased Power, of the Federal Energy Regulatory Commission's Uniform System of Accounts and will be recorded in a subaccount so that the separate identity of this cost is preserved.

In the event that an Emergency Interruption is requested during a Supplemental Interruption or during the period used in the determination of the Base Level Demand, then all 30-minute intervals during the Emergency Interruption shall be excluded for the purposes of this provision.

Monthly Rate

In addition to the monthly charges for service under the applicable standard service rate schedule under which the customer receives service, the customer shall receive a Demand Credit for monthly interruptible demand as follows:

Schedule Codes		Generation	Distribution	Total
336	<b>Secondary Voltage:</b>			
	-Demand Charge (\$ per KW)	6.61	3.99	10.60
	-Off-Peak Excess Demand Charge (\$ per KW)	7.67	-	7.67
	-Energy Charge (\$ per KWH)	-	0.03612	0.03612
	-Customer Charge (\$)	-	162.30	162.30
337	<b>Primary Voltage:</b>			
	-Demand Charge (\$ per KW)	6.38	2.77	9.15
	-Off-Peak Excess Demand Charge (\$ per KW)	5.84	-	5.84
	-Energy Charge (\$ per KWH)	0.00913	0.03612	0.04425
	-Customer Charge (\$)	-	162.30	162.30
338	<b>Subtransmission Voltage:</b>			
	-Demand Credit Charge (\$ per KW)	5.896.57	1.15	7.04
	-Off-Peak Excess Demand Charge (\$ per KW)	2.10	-	2.10
	-Energy Charge (\$ per KWH)	0.05159	0.03612	0.08771
	-Customer Charge (\$)	-	429.62	429.62
339	<b>Transmission Voltage:</b>			
	-Demand Credit Charge (\$ per KW)	5.716.57	0.43	6.14
	-Off-Peak Excess Demand Charge (\$ per KW)	1.06	-	1.06
	-Energy Charge (\$ per KWH)	0.04747	0.03612	0.08359
	-Customer Charge (\$)	-	534.63	534.63

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**SCHEDULERIDER IRP-D**  
**(Interruptible Power - Discretionary)**

The Demand Credit shall apply to the customer's monthly interruptible demand. Monthly interruptible demand shall be the difference between the monthly billing demand determined in accordance with the standard service rate schedule under which the customer receives service and the customer designated firm service contract capacity. In no event shall the customer's monthly interruptible demand be greater than the customer's interruptible service contract capacity.

The distribution Reactive Demand Charge for each KVAR of reactive demand, leading or lagging, in excess of 50% of the KW metered demand is \$0.48 per KVAR.

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**SCHEDULE RIDER IRP-D**  
**(Interruptible Power - Discretionary)**

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 applicable riders.~~

Monthly Billing Demand

~~Billing demand in KW shall be taken each month as the single highest 30 minute peak as registered during the month by a 30 minute integrating demand meter. Thirty minute periods where replacement electricity is supplied shall be excluded in the determination of the billing demand. Where energy is presently delivered through 2 meters, the monthly billing demand will be taken as the sum of the 2 demands separately determined. Monthly billing demand established hereunder shall not be less than 60% of the greater of (a) the customer's contract capacity, or (b) the customer's highest previously established monthly billing demand during the past 11 months, nor less than 1,000 KW.~~

~~Billing energy shall be taken each month as the total KWH registered during the month by an energy meter, excluding energy purchased under the Replacement Electricity provision.~~

~~The reactive demand in KVAR shall be taken each month as the single highest 30 minute integrated peak in KVAR as registered during the month by a demand meter or indicator.~~

Optional Time of Day Provision

~~Available to customers who operate primarily during the off-peak period (as set forth below) and request the installation of time of day metering in order to receive service under this provision. The customer shall be required to pay the necessary additional metering cost.~~

~~For the purpose of this provision, the monthly billing demand as defined above shall be determined during the on-peak period. The off-peak excess demand shall be the amount by which the demand created during the off-peak period exceeds the monthly billing demand.~~

~~For the purpose of this provision, the on peak billing period is defined as 7 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 7 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.~~

Metered Voltage Adjustment

~~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 and KVAR values will be adjusted for billing purposes. If the Company elects to adjust KWH, KW and KVAR based on multipliers, the adjustment shall be in accordance with the following:~~

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**SCHEDULERIDER IRP-D**  
**(Interruptible Power - Discretionary)**

Metered Voltage Adjustment (Cont'd)

- (a) ~~Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.~~
- (b) ~~Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.~~

Delayed Payment Charge

~~Bills are due and payable by 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, customer shall pay Company interest on the unpaid amount at the rate of 8% per annum from the due date to the date of payment of said bills.~~

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders:

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	69-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

Special Terms and Conditions

This schedulerider is subject to the Company's Terms and Conditions of Service and all provisions of the rate schedule under which the customer takes service.

~~A customer's plant is considered as one or more buildings which are served by a single electrical distribution system provided and operated by customer. When the size of the customer's load necessitates the delivery of energy to the customer's plant over more than 1 circuit, the Company may elect to connect its circuits to different points on the customer's system irrespective of contrary provisions in the Terms and Conditions of Service.~~

~~Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of~~

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SCHEDULE RIDER IRP-D  
(Interruptible Power - Discretionary)

~~electrical energy supply other than the Company shall take service under Schedule SBS or Schedule NEMS.~~

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**SCHEDULE COGEN/SPP**  
**(Cogeneration and/or Small Power Production)**

Availability of Service

This schedule is available to customers with cogeneration and/or small power production (COGEN/SPP) facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978, and which have a total design capacity of 100 KW or less. Such facilities shall be designed to operate properly in parallel with the Company's system without adversely affecting the operation of equipment and services of the Company and its customers, and without presenting safety hazards to the Company and customer personnel.

The customer has the following options under this schedule:

- Option 1 - The customer does not sell any energy to the Company, and purchases from the Company its net load requirements, as determined by appropriate meters located at one delivery point.
- Option 2 - The customer sells to the Company the energy produced by the customer's qualifying COGEN/SPP facilities in excess of the customer's load, and purchases from the Company its net load requirements, if any, as determined by appropriate meters located at one delivery point.
- Option 3 - The customer sells to the Company the total energy produced by the customer's qualifying COGEN/SPP facilities, while simultaneously purchasing from the Company its total load requirements, as determined by appropriate meters located at one delivery point.

For customers with COGEN/SPP facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978, and which have a total design capacity greater than 100 KW, the Company shall negotiate a contract for service on an individual case basis which shall include energy payments and may include capacity payments, if appropriate.

Monthly Charges for Delivery from the Company to the Customer

Supplemental Service

Available to the customer to supplement another source of power supply which will enable either or both sources of supply to be utilized for all or any part of the customer's total requirements.

Charges for energy, and demand where applicable, to serve the customer's net or total load shall be determined according to the supplemental service schedule established under Schedule SBS. Option 1 and Option 2 customers with COGEN/SPP facilities having a total design capacity of more than 10 KW shall receive supplemental service under demand-metered rate schedules (Schedule GS-2 or GS-3 depending upon the customer's load characteristics). Option 3 customers shall receive service for their total load requirements under the applicable demand-metered rate schedule.

(Continued on Sheet No. 26-2)

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**SCHEDULE COGEN/SPP**  
**(Cogeneration and/or Small Power Production)**

Monthly Charges for Delivery from the Company to the Customer (Cont'd)

Backup and Maintenance Service

Options 1 and 2 customers having a total design capacity of more than 10 KW shall be required to purchase service under Schedule SBS to replace energy from COGEN/SPP facilities during the maintenance and unscheduled outages of its COGEN/SPP facilities.

Additional Charges

There shall be additional monthly charges to cover the cost of special metering, safety equipment and other local facilities installed by the Company due to COGEN/SPP facilities, as follows:

Option 1 - Where the customer does not sell electricity to the Company, a detente shall be used on the energy meter to prevent reverse rotation. The cost of such meter alteration shall be paid by the customer as part of the Local Facilities Charge.

Option 2 & 3- Where meters are used to measure the excess or total energy purchased by the Company, the cost of the additional time-of-day metering facilities shall be paid by the customer as part of the Local Facilities Charge. In addition, a monthly distribution metering charge to cover the cost of operation and maintenance of such facilities shall be as follows:

Single Phase .....	\$ 3.50
Polyphase .....	\$ 4.85

Under Option 3, when metering voltage for COGEN/SPP facilities is the same as the Company's delivery voltage, the customer shall, at his option, either route the COGEN/SPP totalized output leads through the metering point, or make available at the metering point for the use of the Company and, as specified by the Company, metering current leads which will enable the Company to measure adequately the total electrical energy produced by the qualifying COGEN/SPP facilities, as well as to measure the electrical energy consumption and capacity requirements of the customer's total load. When metering voltage for COGEN/SPP facilities is different from the Company's delivery voltage, metering requirements and charges shall be determined specifically for each case.

Local Facilities Charge

Additional charges to cover "interconnection costs" incurred by the Company shall be reasonably determined by the Company for each case and collected from the customer. The customer shall make a one-time payment for the Local Facilities Charge at the time of installation of the required additional facilities, or, at his 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 shall require a security deposit equal to 25% of the total cost of the interconnection.

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**SCHEDULE COGEN/SPP**  
(Cogeneration and/or Small Power Production)

Monthly Payments for Energy Deliveries

The following time-of-day generation payments from the Company to the customer shall apply for the electrical energy delivered to the Company:

On-peak KWH .....	2.111¢ per KWH
Off-peak KWH .....	1.556¢ per KWH

The above energy payments are subject to revisions from time to time as approved by the Commission.

On-Peak and Off-Peak Hours

For purpose of this provision, the on-peak billing period is defined as 7 a.m. to 9 p.m. local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9 p.m. to 7 a.m. for all weekdays, all hours of the day on Saturdays and Sundays, and the legal holidays of New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Term of Contract

Contracts under this schedule shall be made for a period not less than one year.

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the applicable Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

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**SCHEDULE SBS  
(Standby Service)**

**Availability of Service**

This schedule is available to customers having sources of electrical energy supply other than the Company with standby service requirements of 50,000 KW or less. The customer shall contract for one or more of the following services:

**Supplemental Service**

Service provided to the customer to supplement the customer's power production facilities or other sources of electrical energy supply where additional power in excess of that normally supplied by the customer's other source of supply is required to meet the customer's total requirements. If the customer contracts for backup and maintenance service as defined below, then supplemental service excludes such backup and maintenance service.

**Backup Service**

Service provided to the customer when the customer's power production facilities or other sources of electrical energy supply are unavailable due to unscheduled maintenance.

**Maintenance Service**

Service provided to the customer when the customer's power production facilities are unavailable due to scheduled maintenance which has been approved in advance by the Company.

**Conditions and Limitations of Standby Service Availability**

The Company reserves the right to limit the total backup and maintenance contract capacity for all customers served under this schedule.

The conditions and limitations of standby service include, but are not limited to, the available capacity of the Company's facilities, the possibility of causing any undue interference with the Company's obligations to provide service to any of its other customers and the extent to which such backup and/or maintenance service will impose a burden on the Company's system or any system interconnected with the Company.

The provision for the Company providing backup and/or maintenance 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

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**SCHEDULE SBS  
(Standby Service)**

Conditions and Limitations of Standby Service Availability (Cont'd)

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.

Supplemental Service

The customer shall contract for a specific amount of supplemental contract capacity according to the provisions of the applicable firm service rate schedule (hereinafter referred to as supplemental schedule). Any demand or energy not identified as backup or maintenance service shall be considered supplemental service and billed according to the applicable rate schedule. If the supplemental schedule requires KVA billing, then the metered demand shall be adjusted to KVA accordingly.

If the customer has not signed a supplemental service contract, the customer will be billed for all supplemental demand in excess of either backup and/or maintenance contract capacities on the appropriate supplemental service schedule and shall thereafter be subject to the terms and conditions of said supplemental service schedule.

Monthly Charges for Standby Service

Standby Service includes backup and maintenance service, as determined below. In the event that the customer chooses not to contract for backup or maintenance service, the customer's minimum monthly billing demand under the supplemental schedule shall be subject to negotiation between the Company and the customer and/or imposition by the Public Utilities Commission of Ohio after review of the specific facts and circumstances concerning the reliability of the cogeneration facility and its potential impact on the Ohio Power system.

Backup Service

1. Determination of Backup Contract Capacity

The backup contract capacity in KW shall be initially established by mutual agreement between the customer and the Company for electrical capacity sufficient to meet the maximum backup requirements which the Company is expected to supply.

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SCHEDULE SBS  
(Standby Service)

Monthly Charges for Standby Service (Cont'd)

Backup Service (Cont'd)

1. Determination of Backup Contract Capacity (Cont'd)

The customer shall specify the desired backup contract capacity to the nearest 50 KW as well as the desired service reliability as specified under the Monthly Backup Charge. Changes in the backup contract capacity are subject to the provisions set forth in the Term of Contract.

2. Backup Service Notification Requirement

Whenever backup service is needed, the customer shall verbally notify the Company within 1 hour. Such notification shall be confirmed in writing within 5 working days and shall specify the time and date such use commenced and termination time and date. If such notification is not received, the customer shall be subject to an increase in contract capacity in accordance with the provisions of the schedule under which the customer receives supplemental service and such backup demand shall be considered supplemental demand and billed accordingly.

3. Backup Demand Determination

Whenever backup service is supplied to the customer for use during forced outages, the customer's 30-minute integrated KW demands shall be adjusted by subtracting the amount of backup contract capacity supplied by the Company. In no event shall the adjusted demands be less than 0. The monthly billing demand under the supplemental service schedule shall be the maximum adjusted 30-minute integrated demand. If both backup and maintenance service are utilized during the same billing period, the customer's 30-minute integrated demands will be adjusted for both in the appropriate period. Whenever the customer's maximum 30-minute integrated demand at any time during the billing period exceeds the total of the supplemental service contract capacity and the specific request for backup and/or maintenance service, the excess demand shall be considered as supplemental demand in the determination of the billing demands under the appropriate supplemental service schedule.

4. Backup Service Energy Determination

Whenever backup service is utilized, backup energy shall be calculated as the lesser of (a) the backup contract capacity multiplied by the number of hours of backup use or (b) total metered energy. Metered energy for purposes of billing under the appropriate supplemental schedule shall be derived by subtracting the backup energy from the total metered energy for the billing month.

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SCHEDULE SBS  
(Standby Service)Monthly Charges for Standby Service (Cont'd)Backup Service (Cont'd)5. Monthly Backup Charge

	Generation	Distribution	Total
<b>Backup Energy Charge (¢ per KWH):</b>			
Secondary	0.25927	0.03512	0.29439
Primary	0.30746	0.03512	0.34258
Subtransmission	0.33893	0.03512	0.37405
Transmission	0.32796	0.03512	0.36307

Demand Charge:

	Service Reliability Level	% Forced Outage Rate	Allowed Outage Hours	Generation	Distribution	Total
<b>Backup Demand Charge (\$ per KW):</b>						
Secondary Voltage:	A	5	438	0.24	4.98	5.19
	B	10	876	0.76	4.98	5.73
	C	15	1,314	1.33	4.98	6.31
	D	20	1,752	1.87	4.98	6.86
	E	25	2,190	2.42	4.98	7.40
	F	30	2,628	2.97	4.98	7.95
Primary Voltage:	A	5	438	0.24	3.21	3.42
	B	10	876	0.76	3.21	3.96
	C	15	1,314	1.27	3.21	4.48
	D	20	1,752	1.82	3.21	5.03
	E	25	2,190	2.36	3.21	5.56
	F	30	2,628	2.87	3.21	6.08
Subtransmission Voltage:	A	5	438	0.49	0.28	0.47
	B	10	876	0.74	0.28	0.99
	C	15	1,314	1.24	0.28	1.52
	D	20	1,752	1.74	0.28	2.02
	E	25	2,190	2.28	0.28	2.56
	F	30	2,628	2.78	0.28	3.06
Transmission Voltage:	A	5	438	0.32	0.14	0.46
	B	10	876	0.78	0.14	0.92
	C	15	1,314	1.23	0.14	1.37
	D	20	1,752	1.69	0.14	1.83
	E	25	2,190	2.15	0.14	2.29
	F	30	2,628	2.64	0.14	2.75

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**SCHEDULE SBS  
(Standby Service)**

**Monthly Charges for Standby Service (Cont'd)**

**Backup Service (Cont'd)**

**Demand Charge: (Cont'd)**

The total monthly backup charge is equal to the selected monthly backup demand charge times the backup contract capacity. Whenever the allowed outage hours for the respective reliability level selected by the customer are exceeded during the contract year, the customer's unadjusted 30-minute integrated demands shall be used for billing purposes under the appropriate supplemental schedule for the remainder of the contract year.

**Maintenance Service**

**1. Determination of Maintenance Contract Capacity**

The customer may contract for maintenance service by giving at least 6 months' advance written request as specified in the Term of Contract. Such notice shall specify the amount to the nearest 50 KW not to exceed the customer's maximum maintenance service requirements during the planned maintenance outages, and the effective date for the amount of contracted maintenance service.

**2. Maintenance Service Notification Requirements**

A major maintenance outage shall be considered as any maintenance service request greater than 5,000 KW or for longer than 7 days and may be scheduled at a time consented to by the Company. Written notice shall be provided by the customer at least 6 months in advance of such scheduled outages or a lesser period by mutual agreement and shall specify the KW amount of maintenance service required, as well as the dates and times such use will commence and terminate. A major maintenance service request shall not exceed the KW capacity of the customer's power production facilities as listed in the customer's service contract.

A minor maintenance outage shall be considered as any maintenance service request of 5,000 KW or less and for a period of less than 7 days and may be scheduled at a time consented to by the Company. Written notice shall be provided by the customer at least 30 days in advance of such outage or a lesser period by mutual agreement.

If such notification is not received, the customer shall be subject to an increase in supplemental service contract capacity according to the provisions of the supplemental service schedule under which the customer is served and such maintenance service demand shall be considered as supplemental load in the determination of the billing demands.

(Continued on Sheet No. 27-6)

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AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 27-6

P.U.C.O. NO. 19

**SCHEDULE SBS  
(Standby Service)**

Monthly Charges for Standby Service (Cont'd)

Maintenance Service (Cont'd)

3. Major Maintenance Service Limitation

The customer shall be limited to one major maintenance outage of 30-days duration for each generator listed in the customer's service contract in each contract year. Additional major maintenance outages or outages exceeding 30 days' duration may be requested by the customer and shall be subject to approval by the Company. At the time in which any such additional or prolonged maintenance occurs, the customer shall provide to the Company notarized verification that energy provided under this provision is for maintenance use only.

4. Maintenance Service Demand Determination

Whenever a specific request for maintenance service is made by the customer, the customer's 30-minute integrated demands will be adjusted by subtracting the maintenance service requested in the hours specified by the customer. The monthly billing demand under the supplemental service schedule shall be the maximum adjusted 30-minute integrated demand.

If both backup and maintenance service are utilized during the same billing period, the customer's 30-minute integrated demands will be adjusted for both in the appropriate hours. In no event shall the adjusted demands be less than 0.

Whenever the maximum 30-minute integrated demand at any time during the billing period exceeds the total of the supplemental contract capacity and the specific request for maintenance and/or backup service, the excess demand shall be considered as supplemental load in the determination of the billing demands.

5. Maintenance Service Energy Determination

Whenever maintenance service is used, maintenance energy shall be calculated as the lesser of (a) the KW of maintenance service requested multiplied by the number of hours of maintenance use or (b) total metered energy. Metered energy for purposes of billing under the appropriate supplemental service schedule shall be derived by subtracting the maintenance energy from the total metered energy for the billing period.

6. Monthly Maintenance Service Energy Charge

In addition to the monthly charges established under the supplemental service schedule, the customer shall pay the Company for maintenance energy as follows:

(Continued on Sheet No. 27-7)

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1<sup>st</sup> Revised Sheet No. 27-7  
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P.U.C.O. NO. 19

**SCHEDULE SBS  
(Standby Service)**

Monthly Charges for Standby Service (Cont'd)

Maintenance Service (Cont'd)

	Generation	Distribution	Total
<b>Maintenance Energy Charge (\$ per KWH):</b>			
Secondary	0.47089	0.83802	1.30891
Primary	0.51360	0.55161	1.06521
Subtransmission	0.53682	0.07999	0.61681
Transmission	0.52445	0.05803	0.58248

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 1 time payment for the Local Facilities Charge at the time of the installation of the required additional facilities, or, at his 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 backup and/or maintenance service with contract capacities of less than 100 KW shall be charged a monthly demand rate as follows:

	Generation	Distribution	Total
<b>Demand Charge (\$ per KW)</b>	0.67	1.83	2.50

However, in those months when backup or maintenance 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 charges for electric service under the applicable demand-metered rate schedule.

Contracts for such service shall be executed on a special contract form for a minimum of 1 year. Contract standby capacity in KW shall be set equal to the capacity of the customer's largest power production facility.

(Continued on Sheet No. 27-8)

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P.U.C.O. NO. 19

**SCHEDULE SBS  
(Standby Service)**

Delayed Payment Charge

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.

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	69-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

Term of Contract

Contracts under this schedule will be made for an initial period of not less than 1 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 1 year.

A 6-month advance written request is required for any change in supplemental, backup or maintenance service requirements, except for the initial standby service contract. All changes in the standby service contract shall be effective on the contract anniversary date. The Company shall either concur in writing or inform the customer of any conditions or limitations associated with the customer's request within 60 days.

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the applicable Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

(Continued on Sheet No. 27-9)

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**SCHEDULE SBS  
(Standby Service)**

**Special Terms and Conditions**

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

At its discretion, the Company may require that Company-owned 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.

Customers taking service under this rate schedule who desire to transfer to firm full requirements will be required to give the Company written notice of at least 36 months. The Company reserves the right to reduce the notice period requirement dependent upon individual circumstances.

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P.U.C.O. NO. 19

**SCHEDULE NEMS**  
**(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 standard 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. 28-2)

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**SCHEDULE NEMS**  
**(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 standard 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 standard demand-metered schedule (Schedule GS-2 or GS-3 depending on the customer's load characteristics).

If the Company supplies more kWh of electricity to the customer than the customer-generator's facility feeds back to the Company's system during the billing period, all energy charges of the customer's standard service schedule shall be calculated using the customer's net energy usage for the billing period.

If the customer-generator's facility feeds more kWh of electricity back to the Company's system than the Company supplies to the customer during the billing period, only the generation-related energy charges of the customer's standard service schedule, including all applicable generation-related riders, shall be calculated using the customer's net energy supplied to the Company. All other energy charges shall be calculated using an energy value of zero (0) kWh. If the customer's net billing under the standard service schedule is negative during the billing period, the negative net billing shall be allowed to accumulate as a credit to offset billing in the next billing period. The customer may request, in writing, a refund of accumulated credit that is no greater than an annual true-up of accumulated credits over a twelve month period.

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Service and all provisions of the standard 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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## P.U.C.O. NO. 19

SCHEDULE NEMS-H  
(Net Energy Metering Service - Hospitals)Availability of Service

This schedule is available to hospital 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 standard service schedule.

To qualify for service under this schedule, a customer must be a hospital, as defined in section 3701.01 of the Revised Code, that is also a customer-generator. Section 3701.01 of the Revised Code currently defines "hospital" to include public health centers and general, mental, chronic disease and other types of hospitals and related facilities, such as laboratories, outpatient departments, nurses' home facilities, extended care facilities, self-care units and central service facilities operated in connection with hospitals, and also includes education and training facilities for health professions personnel operated as an integral part of a hospital, but does not include any hospital furnishing primarily domiciliary care.

Conditions of Service

1. A qualifying hospital customer is one whose generating facility complies with all the following requirements:
  - a. is located on the customer-generator's premises; and
  - b. 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.
2. The hospital 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 either two meters or a single meter capable of registering the flow of electricity in each direction. One meter or register shall be capable of measuring the electricity generated by the hospital customer at the time it is generated. If the existing electrical meter installed at the customer's facility is not capable of separately measuring the electricity the hospital customer generates at the time it is generated, the Company, upon written request of the hospital 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. 29-2)

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## P.U.C.O. NO. 19

SCHEDULE NEMS-H  
(Net Energy Metering Service - Hospitals)Monthly Charges

Monthly charges for energy, and demand where applicable, to serve the customer's total load shall be determined according to the Company's standard service schedule under which the customer would otherwise be served, absent the customer-owned generation source. If a hospital 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 standard demand-metered schedule (Schedule GS-2, GS-3 or GS-4 depending on the customer's load characteristics).

All electricity flowing from the Company to the hospital customer shall be charged as it would have been if the hospital customer were not taking service under this schedule.

All electricity generated by the hospital customer shall be credited at the market value as of the time the hospital customer generated the electricity. The market value of the hospital customer's generated electricity shall be the hourly AEP East Load Zone Real-Time Locational Marginal Price (LMP) established by PJM.

The hospital customer's monthly bill shall reflect the net of Company charges for electricity flowing from the Company to the hospital customer and the market value credit for electricity generated by the hospital customer. If the customer's net billing is negative during the billing period, the net credit dollar amount shall be used to offset billing in subsequent billing periods. The customer may request, in writing, a refund of accumulated credit that is no greater than an annual true-up of accumulated credits over a twelve month period.

Special Terms and Conditions

This schedule is subject to the Company's Terms and Conditions of Service and all provisions of the standard 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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OHIO POWER COMPANY

1<sup>st</sup> Revised Sheet No. 40-1  
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P.U.C.O. NO. 19

**SCHEDULE OL  
(Outdoor Lighting)**

Availability of Service

Available for outdoor lighting to individual customers. Lamps installed hereunder may be located in such positions as to light public thoroughfares where street lighting service of the thoroughfares is not provided by a political subdivision.

Rate

**OVERHEAD LIGHTING SERVICE**

For each lamp with luminaire and an upsweep arm not over 6 feet in length or bracket mounted floodlight, controlled by photoelectric relay, where service is supplied from an existing pole and secondary facilities of Company (\$ per lamp per month):

	Generation	Distribution	Total
9,000 lumen high pressure sodium	3.05	4.76	7.81
22,000 lumen high pressure sodium	4.49	5.66	10.15
22,000 lumen high pressure sodium floodlight	6.28	5.64	11.92
50,000 lumen high pressure sodium floodlight	6.51	6.26	12.77
17,000 lumen metal halide floodlight	3.10	7.14	10.24
29,000 lumen metal halide floodlight	3.74	6.57	10.31

THE FOLLOWING LAMPS ARE IN PROCESS OF ELIMINATION AND ARE NOT AVAILABLE FOR NEW INSTALLATIONS:

	Generation	Distribution	Total
2,500 lumen incandescent	—	6.91	6.91
4,000 lumen incandescent	—	7.45	7.45
7,000 lumen mercury	3.97	5.43	9.40
20,000 lumen mercury	6.68	6.95	13.63
20,000 lumen mercury floodlight	7.61	8.77	16.28
50,000 lumen mercury floodlight	12.81	10.05	22.86

When service cannot be supplied from an existing pole of the Company carrying a secondary circuit, the Company will install one pole and/or one span of secondary circuit of not over 150 feet for an additional distribution charge of \$4.05 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 pole and/or 150 feet of secondary circuit.

(Continued on Sheet No. 40-2)

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1<sup>st</sup> Revised Sheet No. 40-2  
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P.U.C.O. NO. 19

**SCHEDULE OL**  
**(Outdoor Lighting)**

Rate (Cont'd)

**POST TOP LIGHTING SERVICE (\$ per month)**

	Generation	Distribution	Total
For each 7,000 lumen mercury lamp on 12 foot post*	1.04	9.40	10.44
For each 9,000 lumen high pressure sodium lamp on 12 foot post	5.05	8.93	13.98

\*Not available for new installations

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.

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

- 1) Pay to the Company in advance a Distribution charge of \$4.14 per foot for the length of underground circuit in excess of 30 feet, and
- 2) Pay a monthly Distribution facilities charge of \$0.55 for each 25 feet (or fraction thereof) of underground circuit in excess of 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 \$4.06/foot of the total trench length) is paid to the Company by the customer.
- 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.

Payment

Bills computed under this schedule 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 of the mailing date of the bill.

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

(Continued on Sheet No. 40-3)

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P.U.C.O. NO. 19

**SCHEDULE OL  
(Outdoor Lighting)**

Applicable Riders (Cont'd)

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	69-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

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
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 Sod.	51	43	43	36	32	29	31	35	39	45	48	52
22,000 Sod.	106	89	89	76	68	61	65	74	81	95	100	108
50,000 Sod.	210	176	176	150	134	120	128	146	160	188	198	214
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

Term of Contract

Annual.

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the applicable Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

(Continued on Sheet No. 40-4)

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**SCHEDULE OL  
(Outdoor Lighting)**

Hours of Lighting

All lamps shall burn from one-half hour after sunset until one-half hour before sunrise, every night and all night, burning approximately 4,000 hours per annum.

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 the regular scheduled working hours of the Company. The Company shall be allowed two working days after notification by the customer to replace all burned out lamps.

Special Terms and Conditions

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

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1<sup>st</sup> Revised Sheet No. 41-1  
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P.U.C.O. NO. 19

SCHEDULE SL  
(Street Lighting)Availability of Service

Available for street lighting service to municipalities, townships, counties and other governmental subdivisions. Service rendered hereunder is predicated upon the existence of a valid agreement between the Company and the Customer specifying the type, number and location of lamps to be supplied and lighted.

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 from one-half hour after sunset until one-half hour before sunrise, every night and all night, 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 specification.

Monthly Rates

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.

	Generation	Distribution	Total
<b>On Wood Pole:**</b>			
Mercury Vapor:			
7,000 lumen	0.83	3.67	4.50
11,000 lumen	1.24	4.24	5.48
20,000 lumen	1.37	4.54	5.91
50,000 lumen	0.64	8.23	8.87
High Pressure Sodium:			
9,000 lumen	2.49	3.25	5.74
16,000 lumen	3.10	3.31	6.41
22,000 lumen	3.69	3.80	7.49
50,000 lumen	5.25	4.11	9.36

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

(Continued on Sheet No. 41-2)

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P.U.C.O. NO. 19

**SCHEDULE SL**  
**(Street Lighting)**

Monthly Rates (Cont'd)

	Generation	Distribution	Total
<b>On Metal Pole:</b>			
Mercury Vapor:			
7,000 lumen	—	7.11	7.11
11,000 lumen	—	8.35	8.35
20,000 lumen	—	8.96	8.96
50,000 lumen	—	13.08	13.08
High Pressure Sodium:			
9,000 lumen	5.18	8.09	13.27
16,000 lumen	5.77	8.13	13.90
22,000 lumen	6.36	8.64	15.00
50,000 lumen	7.90	8.95	16.85
<b>Multiple Lamps On Metal Pole:</b>			
20,000 lumen Mercury Vapor	0.37	6.96	7.33
High Pressure Sodium:			
9,000 lumen	3.82	5.66	9.48
16,000 lumen	4.43	5.71	10.14
22,000 lumen	4.99	6.22	11.21
50,000 lumen	6.56	6.53	13.09
<b>Post Top Unit:*</b>			
7,000 lumen Mercury Vapor	—	7.04	7.04
9,000 lumen High Pressure Sodium	4.44	6.77	11.21

\*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 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. 41-3)

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P.U.C.O. NO. 19

SCHEDULE SL  
(Street Lighting)Monthly Rates (Cont'd)

	Generation	Distribution	Total
<b>On Wood Pole:</b>			
High Pressure Sodium:			
9,000 lumen	1.24	8.98	10.22
16,000 lumen	3.58	9.04	12.62
22,000 lumen	4.07	9.54	13.61
50,000 lumen	8.13	9.86	17.99
<b>On Metal Pole:</b>			
High Pressure Sodium:			
9,000 lumen	14.65	23.22	37.87
16,000 lumen	15.39	23.28	38.67
22,000 lumen	16.00	23.77	39.77
50,000 lumen	17.62	24.09	41.71
<b>Multiple Lamps On Metal Pole:</b>			
High Pressure Sodium:			
9,000 lumen	8.73	13.23	21.96
16,000 lumen	9.36	13.28	22.64
22,000 lumen	9.96	13.79	23.75
50,000 lumen	11.59	14.10	25.69
<b>Post Top Unit:*</b>			
9,000 lumen High Pressure Sodium	6.18	8.31	14.49

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

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	69-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

(Continued on Sheet No. 41-4)

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Joseph Hamrock, President  
AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 41-4

P.U.C.O. NO. 19

**SCHEDULE SL**  
(Street Lighting)

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
7,000 Merc.	91	76	76	65	58	52	55	63	69	81	86	92
11,000 Merc.	128	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 H. P. Sod.	51	43	43	36	32	29	31	35	39	45	48	52
16,000 H. P. Sod.	74	62	62	53	47	42	45	51	57	66	70	75
22,000 H. P. Sod.	106	89	89	76	68	61	65	74	81	95	100	108
50,000 H. P. Sod.	210	176	176	150	134	120	128	146	160	188	198	214

Electric Receptacles

A separate distribution charge of \$1.84/month shall be made when electrical receptacles are included in metal pole installations.

Payment

Except as provided for below, bills shall be due and payable by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company on or before the 15th day of the month succeeding that in which the service is rendered.

Bills computed under the ELECTRIC ENERGY RATE provision are due and payable by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 15 days of the mailing date of the bill.

On accounts not paid within 30 days of the mailing date of the bill, an additional charge of 5% of the total amount billed will be made.

Lamp Outages

For all outages which shall be reported daily in writing to the Company by a proper representative of the customer, the customer may deduct from the total monthly amount which would have been paid for any lamp had no outage occurred, a sum bearing the ratio to such total as the period of the outage bears to the total time the lamps should have been lighted in any month; provided however, that should the lighting of any lamp or lamps be stopped by burnouts, vandalism or unavoidable accident, the Company shall be allowed 24 hours after the notice of the outage, Saturdays, Sundays and legal holidays excluded, in which to again light such lamp or lamps without being liable to deduction as above provided.

(Continued on Sheet No. 41-5)

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AEP Ohio

## P.U.C.O. NO. 19

SCHEDULE SL  
(Street Lighting)Relocation and Removal of Lamps

Lamps may be relocated or removed when requested in writing by a proper representative of the Customer, subject, however 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.

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 months disconnect a lamp for a distribution charge of \$17.18 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
<b>EXISTING FACILITIES:</b>				
Mercury Vapor:				
7,000 lumen	2.17	4.85	--	4.81
11,000 lumen	2.61	5.59	--	--
20,000 lumen	2.20	5.26	3.94	--
50,000 lumen	2.20	6.05	--	--
High Pressure Sodium:				
9,000 lumen	3.26	9.96	6.60	8.10
16,000 lumen	3.31	10.00	6.64	--
22,000 lumen	3.97	10.66	7.30	--
50,000 lumen	4.33	11.01	7.65	--
<b>FACILITIES ON NEW POLE:</b>				
High Pressure Sodium:				
9,000 lumen	8.12	31.68	17.59	10.85
16,000 lumen	9.38	31.81	17.63	--
22,000 lumen	9.98	32.50	18.32	--
50,000 lumen	12.08	32.90	18.72	--

(Continued on Sheet No. 41-6)

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OHIO POWER COMPANY

1<sup>st</sup> Revised Sheet No. 41-8  
Cancels Original Sheet No. 41-6

P.U.C.O. NO. 19

**SCHEDULE SL**  
**(Street Lighting)**

Temporary Disconnection of Lamps (Cont'd)

If within the six months' period the customer requests to have the lamp reconnected, a distribution reconnection charge of \$17.18 shall be made and the lamp will be billed at the monthly rate charged prior to disconnection. Disconnected lamps will be removed after six months and new installations will be billed at rates applicable to new installations.

Term of Contract

Contracts under this schedule will be made for not less than one year and shall continue thereafter until terminated sixty days after either party has given written notice to the other of the intention to terminate. The Company will have the right to make contracts for periods of longer than one year, taking into consideration the amount of facilities to be furnished by the Company in providing street lighting service.

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the applicable Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

Electric Energy Rate

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

Monthly Rate (Schedule Code 522)

	Generation	Distribution	Total
Customer Charge (\$)	--	5.51	5.51
Energy Charge (\$ per KWH)	1.55096	.94381	2.49477

The minimum charge under the electric energy rate is the customer charge.

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

Filed pursuant to Order dated January 7, 2010 in Case No. 09-1906-EL-ATA

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Joseph Hamrock, President  
AEP Ohio

OHIO POWER COMPANY

1<sup>st</sup> Revised Sheet No. 42-1  
Cancels Original Sheet No. 42-1

P.U.C.O. NO. 19

SCHEDULE EHG  
(Electric Heating General)

THIS SCHEDULE IS IN PROCESS OF ELIMINATION AND IS WITHDRAWN EXCEPT FOR THE PRESENT INSTALLATION OF CUSTOMERS RECEIVING SERVICE HEREUNDER AT PREMISES SERVED ON THE EFFECTIVE DATE HEREOF.

Availability of Service

Available for the entire requirements of general service customers who have installed and in regular active use electric heating equipment which supplies the entire space heating of the customer's premises.

Monthly Rate (Schedule Codes 208, 209, 210)

	Generation	Distribution	Total
Customer Charge (\$)	—	21.96	21.96
Energy Charge (\$ per KWH)	1.49369	1.32863	2.82232
Demand Charge for each KW of monthly demand in excess of 30 KW (\$ per KW)	1.93	1.18	3.11

Minimum Charge

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

Monthly Billing Demand

Energy supplied 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) the 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% 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.

Measurement and Determination of Demand

Customer's demand will be taken monthly to be the highest registration of a thermal type demand meter.

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Joseph Hamrock, President  
AEP Ohio

OHIO POWER COMPANY

1<sup>st</sup> Revised Sheet No. 42-1  
Cancels Original Sheet No. 42-1

P.U.C.O. NO. 19

**SCHEDULE EHG**  
(Electric Heating General)

Delayed Payment Charge

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.

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

(Continued on Sheet No. 42-2)

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AEP Ohio

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OHIO POWER COMPANY

2<sup>nd</sup> Revised Sheet No. 42-2  
Cancels 1<sup>st</sup> Revised Sheet No. 42-2

P.U.C.O. NO. 19

**SCHEDULE EHG**  
**(Electric Heating General)**

Applicable Riders (Cont'd)

<i>Rider</i>	<i>Sheet No.</i>
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	68-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

Term of Contract

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the applicable Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

Special Terms and Conditions

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

This schedule is available only to customers where at least 50% of the electrical load is located inside of buildings which are electrically heated.

When church buildings are electrically heated and are served through a separate meter and billed separately, the above energy rate applies, but there shall be no demand charge.

Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under Schedule SBS or Schedule NEMS.

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P.U.C.O. NO. 19

SCHEDULE EHS  
(Electric Heating Schools)

THIS SCHEDULE IS IN PROCESS OF ELIMINATION AND IS WITHDRAWN EXCEPT FOR THE PRESENT INSTALLATION OF CUSTOMERS RECEIVING SERVICE HEREUNDER AT PREMISES SERVED ON THE EFFECTIVE DATE HEREOF.

Availability of Service

Available to primary and secondary schools for which the entire electrical requirement is furnished by the Company, and such electrical requirement includes all cooling (if any) in the entire school and electric heating for all of (or in addition to) the school.

Monthly Rate (Schedule Code 631)

Where every energy requirement, including, but not limited to, heating, cooling and water heating, of an individual school building or an addition to an existing school building including college and university buildings, is supplied by electricity furnished by the Company, all energy for that school building or addition shall be billed at the following Energy Charge:

	Generation	Distribution	Total
Energy Charge (\$ per KWH)	—	0.21744	0.21744

Minimum Charge

The minimum monthly charge under this schedule shall be the sum of the distribution charge of \$12.22 per month and any applicable riders.

Monthly Billing Demand

Energy supplied 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) the 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% 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.

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 15 days after the mailing of the bill.

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P.U.C.O. NO. 19

**SCHEDULE EHS**  
**(Electric Heating Schools)**
Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	69-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

(Continued on Sheet No. 43-2)

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OHIO POWER COMPANY

Original Sheet No. 43-2

P.U.C.O. NO. 19

**SCHEDULE EHS**  
**(Electric Heating Schools)**

Term of Contract

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the applicable Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

Special Terms and Conditions

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

This schedule shall not apply to individual residences.

Customer may elect to receive service for any individual building of a school complex under the terms of this schedule.

Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under Schedule SBS or Schedule NEMS.

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OHIO POWER COMPANY

1<sup>st</sup> Revised Sheet No. 44-1  
Cancels Original Sheet No. 44-1

P.U.C.O. NO. 19

SCHEDULE SS  
(School Service)

THIS SCHEDULE IS IN PROCESS OF ELIMINATION AND IS WITHDRAWN EXCEPT FOR THE PRESENT INSTALLATION OF CUSTOMERS RECEIVING SERVICE HEREUNDER AT PREMISES SERVED ON THE EFFECTIVE DATE HEREOF.

Availability of Service

Available to primary and secondary school, college and university buildings for which the entire electrical requirement is furnished by the Company.

Monthly Rate (Schedule Code 635)

	Generation	Distribution	Total
Customer Charge (\$)	—	31.84	31.84
Energy Charge (¢ per KWH):			
For the first 300 KWH used per month for each 1,000 square feet of enclosed area	2.52066	1.24738	3.76804
For the balance of KWH used per month	2.41762	1.24738	3.66500

Minimum Charge

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

Monthly Billing Demand

Energy supplied 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) the 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% 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.

Determination of Enclosed Area

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AEP Ohio

P.U.C.O. NO. 19

SCHEDULE SS  
(School Service)

The "enclosed area" of a building for billing purposes under this schedule shall be the total area enclosed by the outside walls of the building. This area shall be determined to the nearest 100 square feet. For multi-story buildings, the "enclosed area" for billing purposes shall be the sum of the enclosed area on each level.

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 15 days after the mailing of the bill.

Applicable Riders

Monthly Charges computed under this schedule shall be adjusted in accordance with the following applicable riders: Commission-approved riders on Sheet Number 4-1.

(Continued on Sheet No. 44-2)

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AEP Ohio

OHIO POWER COMPANY

1<sup>st</sup> Revised Sheet No. 44-2  
Cancels Original Sheet No. 44-2

P.U.C.O. NO. 19

**SCHEDULE SS  
(School Service)**

Applicable Riders (Cont'd)

Rider	Sheet No.
Universal Service Fund Rider	60-1
Advanced Energy Fund Rider	61-1
KWH Tax Rider	62-1
Provider of Last Resort Charge Rider	69-1
Transmission Cost Recovery Rider	75-1
Fuel Adjustment Clause Rider	80-1
Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1
Economic Development Cost Recovery Rider	82-1
Enhanced Service Reliability Rider	83-1
Environmental Investment Carrying Cost Rider	85-1

Term of Contract

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

Notwithstanding any contractual requirement for longer than 90 days' notice to discontinue service, customers may elect to take service from a qualified CRES Provider, pursuant to the terms of the applicable Open Access Distribution Schedule, by providing 90 days' written notice to the Company. If upon completion of such 90-day notice period, the customer has not enrolled with a qualified CRES Provider, then the customer must continue to take service under the Company's standard service schedules for a period of not less than twelve (12) consecutive months.

Special Terms and Conditions

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

This schedule shall not apply to individual residences nor to those facilities which normally are not a part of or directly associated with primary and secondary school, college and university functions.

Customer shall furnish Company upon request information necessary to determine the enclosed area of a building or buildings to be used for billing purposes hereunder.

Customers with cogeneration and/or small power production facilities which qualify under Section 210 of the Public Utility Regulatory Policies Act of 1978 shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company. All other customers having sources of electrical energy supply other than the Company shall take service under Schedule SBS or Schedule NEMS.

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AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 45-1

P.U.C.O. NO. 19

**SCHEDULE PA**  
**(Pole Attachment)**

Availability of Service

Available to any person or entity, 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.

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 ..... \$1.19 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 an annual basis on July 1st of each year for all accumulated initial contacts from the preceding year.

**Annual Attachment Charge:**

- A. Any person or entity, other than a Public Utility,  
a Rural Cooperative Electric Company or Electric  
Light Company Operated by a Municipality .....\$3.72 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 on the next annual billing date.

Special Charges ..... as provided below

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

(Continued on Sheet No. 45-2)

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AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 45-2

P.U.C.O. NO. 19

SCHEDULE PA  
(Pole Attachment)

Rates and Charges (Cont'd)

All charges for inspection, installation, removal, replacement or rearrangement work necessary to facilitate the Customers' 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.

Billing 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 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 8% of the amount invoiced.

Contracts

Pole attachments shall be allowed only upon signing by the Company and the customer of a written Agreement making reference to this schedule.

Term of Contract

Agreements executed with reference to this schedule shall continue in force until terminated by either party giving to the other party sixty (60) days prior written notice. Such termination, however, shall not 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, 1981. 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.

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OHIO POWER COMPANY

Exhibit DMR-6  
Page 115 of 162

2<sup>nd</sup> Revised Sheet No. 60-1  
Cancels 1<sup>st</sup> Sheet No. 60-1

P.U.C.O. NO. 19

UNIVERSAL SERVICE FUND RIDER

Effective Cycle 1 January 2011, 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 0.25750¢/KWH for the first 833,000 KWH consumed each month and 0.01681¢/KWH for all KWH consumed each month in excess of 833,000 KWH.

Filed pursuant to Order dated December 15, 2010 in Case No. 10-725-EL-USF

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AEP Ohio

Effective: Cycle 1 January 2011

P.U.C.O. NO. 19

~~ADVANCED ENERGY FUND 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 Advanced Energy Fund charge of \$0.0895 per customer bill per month.~~

~~This Rider shall remain in effect until the earlier of December 31, 2010 or notification by the Ohio Department of Development as required by Section 4928.61, Ohio Revised Code.~~

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Joseph Hamrock, President  
AEP Ohio

OHIO POWER COMPANY

Original Sheet No. 62-1

P.U.C.O. NO. 19

KWH TAX RIDER

Effective May 1, 2001, 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 consumed, over the course of the previous calendar year, or that estimate that they will consume in the current year, more than 45,000,000 KWH may elect to self-assess the KWH Tax at the rate of 0.075¢/KWH plus four percent (4%) of the total price of electricity delivered by the Company. 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.

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P.U.C.O. NO. 19

## PROVIDER OF LAST RESORT CHARGE RIDER

Effective Cycle 1 ~~January 2012~~ ~~April 2009~~ through the last billing cycle of ~~December 2009~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Provider of Last Resort Charge of \$0.00284 per KWH, as follows:

Schedule	¢/KWH
RS, RS-ES, RS-TOD and RDMS	0.31771
GS-1	0.35875
GS-2 and GS-TOD	0.36696
GS-3	0.26364
GS-4 and IRP-D	0.21522
EHG	0.39076
EHS	0.50548
SS	0.40104
OL	0.07760
SL	0.07737
SBS	0.25642

Effective Cycle 1 January 2010, the Provider of Last Resort Charge shall be the following:

Schedule	¢/KWH
RS, RS-ES, RS-TOD and RDMS	0.23366
GS-1	0.26384
GS-2 and GS-TOD	0.26988
GS-3	0.19382
GS-4 and IRP-D	0.15828
EHG	0.28739
EHS	0.37175
SS	0.29494
OL	0.05707
SL	0.05690
SBS	0.18858

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 at any time to energy service from the Company, shall not be subject to charges under this Rider. Exemption from this Rider shall begin with the first full billing month after the later of 1) Company receipt of the customer's written agreement to pay the market price of power should they return at any time to energy service from the Company, and 2) the date the customer begins receiving energy service from a CRES provider.

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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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OHIO POWER COMPANY

Original Sheet No. 71-4  
Revised Sheet No. 71-1

P.U.C.O. NO. 19

## EMERGENCY CURTAILABLE SERVICE RIDER

### Availability of Service

This rider shall be available for Emergency Curtailable Service (ECS) to customers normally taking firm service under Schedules GS-2, GS-2-TOD, GS-3 and GS-4. The Company reserves the right to limit the amount of ECS capacity contracted under this Rider. The Company will accept ECS requests in the order received, for their total capacity requirements from the Company. The customer must have an on-peak curtailable demand not less than 1 MW and will be compensated for KWH curtailed under the provisions of this Rider.

### OPTION ONE: Company Peak Demand Reduction Program

#### Conditions of Service

1. The provisions of this Rider qualify under the PJM Emergency Demand Response Program as of the effective date. If the PJM Tariff is subsequently revised, the Company reserves the right to make changes to this Rider in order to continue to qualify under the PJM Emergency Demand Response Program.
42. The Company reserves the right to call for (request) customers to curtail service to use of the customer's ECS load when, in the sole judgment of the Company, an emergency condition exists on the American Electric Power (AEP) System or the PJM Interconnection, L.L.C. (PJM) RTO. The Company shall determine that an emergency condition exists if curtailment of load served under this Rider is necessary in order to maintain service to the Company's other firm service customers according to the AEP System Emergency Operating Plan for generation capacity deficiencies or if PJM issues and Emergency Notice.
23. The Company will endeavor to provide as much advance notice as possible of curtailments under this Rider including an estimate of the duration of such curtailments. However, the customer's ECS load shall be curtailed within 30 minutes-2 hours if so requested.
34. In no event shall the customer be subject to ECS load curtailment under the provisions of this Rider for more than 50-60 hours during any season/delivery year or for more than 10 interruption events per delivery year. However, a customer must agree to be subject to ECS Curtailments of up to 6-hour duration for each curtailment event, on weekdays between 12 noon to 8 pm for the months May through September and between 2 pm to 10 pm for the months October through April. For purposes of this Rider, seasons are defined as follows:  
Winter — November 15 through March 15  
Summer — May 15 through September 15  
  
No curtailments under this Rider shall occur on other days of the year, with the exception of test curtailments as specified under Item 6 below.
45. The Company will inform and the customer shall mutually agree upon the method which the Company shall use to notify the customer of a curtailment under the provisions of this Rider. The method shall specify the means of communicating such curtailment (e.g., the Company's customer regarding the communication system, telephone, pager) and shall designate the customer's representatives to receive said notification/process of notices to curtail. The customer is ultimately responsible for receiving and acting upon a curtailment notification from the Company.

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Revised Sheet No. 71-1

P.U.C.O. NO. 19

EMERGENCY CURTAILABLE SERVICE RIDER

56. No responsibility or liability of any kind shall attach to or be incurred by the Company or the AEP System for, or on account of, any loss, cost, expense or damage caused by or resulting from, either directly or indirectly, any curtailment of service under the provisions of this Rider.
67. If no Emergency events are called during the summer of the delivery year, the Company will conduct a test and verify the ~~The Company reserves the right to test and verify the customer's ability to curtail as required by the PJM RTO. The Company reserves the right to re-test the customer if the Company does not achieve the minimum 80% compliance testing standards for all of the Company's ECS customers as required by PJM. These tests must be conducted for one hour during the on-peak hours from June 1 through September 30 during the delivery year. Such test will be limited to one curtailment per contract term. Any failure of the customer to comply with a request to curtail load will entitle the Company to call for one additional test. The Company agrees to notify the customer as to the month in which the test will take place, and will consider avoiding tests on days which may cause a unique hardship to the customer's overall operation. There shall be no credits for test curtailments nor charges for failure to curtail during a test.~~

(Continued on Revised Sheet No. 71-2)

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Original Sheet No. 71-2  
Revised Sheet No. 71-2

P.U.C.O. NO. 19

### EMERGENCY CURTAILABLE SERVICE RIDER

#### Conditions of Service (Cont'd)

78. The Company reserves the right to discontinue service to the customer under this Rider if the customer fails to curtail under any circumstances twice during a 12-month period as requested by the Company.
8. ~~The customer shall not receive credit for any curtailment periods in which the customer's curtailable load is already down for an extended period due to a planned or unplanned outage as a result of vacation, renovation, repair, refurbishment, force majeure, strike, or any event other than the customer's normal operating conditions.~~

#### Curtailment Options

~~The customer shall select one of the following ECS Curtailment Options under this Rider:~~

	<u>Maximum Duration</u>
Curtailment Option A	4 hours
Curtailment Option B	8 hours

~~The Maximum Duration is the maximum number of hours per curtailment event which may be curtailed under the provisions of this Rider. The Company, to the extent practical, will endeavor to minimize the curtailment duration. However, the customer shall receive a minimum of 2 hours credit per curtailment event.~~

#### ECS Contract Capacity

~~Each customer shall have an ECS Contract Capacity to be considered as emergency curtailable capacity under this Rider. The customer shall specify the Non-ECS Demand, which shall be the demand at or below which the customer will remain during curtailment periods. The ECS Contract Capacity shall be the difference between the customer's typical on-peak demand and the customer's specified Non-ECS Demand. The Company shall determine the customer's typical on-peak demand, as agreed upon by the Company and the customer. For purposes of this Rider, the on-peak billing period is defined as 7 a.m. to 11 p.m., local time, for all weekdays, Monday through Friday.~~

~~The customer may modify the amount of ECS Contract Capacity and/or the Curtailment Option no more than once prior to each season. Modifications must be received by the Company in writing no later than 30 days prior to the beginning of the season.~~

#### Curtailed Demand

~~For each curtailment period, The customer's Curtailed Demand is determined based upon which method of measurement the customer chooses. The customer may choose one of two methods to measure the curtailed demand: 1) Guaranteed Load Drop (GLD) or 2) Firm Service Level (FSL). The method chosen shall remain in effect for an entire delivery year, June 1 through May 31 of the following year as defined by PJM. be defined as the difference between the customer's typical on-peak demand and the maximum 30-minute integrated demand during that curtailment period.~~

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P.U.C.O. NO. 19

EMERGENCY CURTAILABLE SERVICE RIDER

(Continued on Sheet No. 71-3)

Guaranteed Load Drop (GLD) Method

Guaranteed Load Drop (GLD)

Each customer must designate a Guaranteed Load Drop, which amount shall be the minimum demand reduction that the customer will provide for each hour during a curtailment event or during a curtailment test. The Guaranteed Load Drop shall also be the ECS Contract Capacity.

Customer Baseline Load Calculation

A Customer Baseline Load (CBL) will be calculated for each hour corresponding to each event hour. Normally, the CBL will be calculated for each hour as the average corresponding hourly demands from the highest 4 out of 5 most recent similar non-event days in the period preceding the relevant load reduction event. The highest load days are defined as the similar days (Weekday, Saturday, Sunday/Holiday) with the highest energy consumption spanning the event period hours. In cases where the normal calculation does not provide a reasonable representation of normal load conditions, the Company and customer may develop an alternative CBL calculation that more accurately reflects the customer's normal consumption pattern.

Curtailed Energy

The Curtailed Energy shall be determined for each event hour, defined as the difference between the customer's CBL for that hour and the customer's metered load for that hour.

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OHIO POWER COMPANY

Original Sheet No. 71-3  
Revised Sheet No. 71-2

P.U.C.O. NO. 19

EMERGENCY CURTAILABLE SERVICE RIDER

Period ECS Energy

~~Period ECS Energy shall be defined as the product of the Curtailed Demand and the number of hours for each curtailment period. For customers with KVA demands, Period ECS Energy shall be multiplied by the customer's average monthly power factor.~~

Curtailment Credits

~~The Curtailment Energy Credit shall be a negotiated amount not less than 80 percent of the AEP East Load Zone hourly Real-Time Locational Marginal Price (LMP) established by PJM (including congestion and marginal losses) for each will be quoted to the customer upon notice of a curtailment event hour.~~

~~The Curtailment Demand Credit shall be a negotiated amount not less than 80 percent of the Cost of AEP's capacity obligation in accordance with PJM's Reliability Assurance Agreement Among Load Serving Entities, expressed in \$/MW-day multiplied by the GLD MWs.~~

(Continued on Revised Sheet No. 71-3)

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Revised Sheet No. 71-3

P.U.C.O. NO. 19

EMERGENCY CURTAILABLE SERVICE RIDER

**Monthly Demand Credit**

The Monthly Demand Credit shall be equal to one-twelfth of the product of the Guaranteed Load Drop and the Curtailment Demand Credit times 365 ECS Energy and the applicable ECS Curtailment Option Credit, less any charges computed for failure to curtail. The Monthly Demand Credit will be provided to the customer by check within 30 days after the end of the month in which the curtailment occurred. This amount will be recorded in the Federal Energy Regulatory Commission's Uniform System of Accounts under Account 555, Purchased Power, and will be recorded in a subaccount so that the separate identity of this cost is preserved shall be applicable to each month the customer is served under this Rider, regardless of whether or not there are any curtailment events during the month.

**Monthly Event Credit**

An Event Credit shall be calculated for each event hour equal to the product of the Curtailed Energy for that hour and the Curtailment Energy Credit for that hour. The Monthly Event Credit shall be the sum of the hourly event credits for all events occurring in the calendar month, but shall not exceed the customer's monthly energy charge under the applicable tariff. The customer shall not receive event credit for any curtailment periods to the extent that the customer's curtailable load is already reduced due to a planned or unplanned outage as a result of vacation, renovation, repair, refurbishment, force majeure, strike, economic conditions, or any event other than the customer's normal operating conditions.

**Noncompliance Charge**

There is no charge for noncompliance under this Rider. However, the customer's service under this Rider may be discontinued pursuant to the Conditions of Service.

If the customer fails to fully comply with a request for curtailment under the provisions of this Rider, then the Noncompliance Charge shall apply. If a customer does not reduce load by the full GLD, a noncompliance charge shall apply. For this purpose, Actual Load Drop (ALD) is defined as the difference between the customer's CBL (Customer Baseline Load) and the customer's actual hourly load. If the ALD is less than the GLD, the customer will be in non-compliance.

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Original Sheet No. 71-3  
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P.U.C.O. NO. 19

EMERGENCY CURTAILABLE SERVICE RIDER

The Noncompliance Demand Charge will be calculated based on the number of events missed because the customer did not curtail and the total number of events called by the Company to date for the delivery year. A penalty will be determined as the non-compliance load times the Cost of AEP's capacity obligation in accordance with PJM's Reliability Assurance Agreement Among Load Serving Entities (\$/MW-day) times 365. (e.g. curtailment of only 80 MW of a 100 MW ECS load is non-compliance and counts as a missed event, but the customer's annual payment will be reduced only for the 20 MW non-compliance load times the appropriate percentage from the table below). The penalty will then be multiplied by the percentage of reduction based upon the number of non-compliance events for the customer compared to the number of events called. Below is a table of annual payment reduction percentages.

Annual Payment Reduction Percentages for Non-compliance					
Missed Events	Number of Events Called Annually				
	1	2	3	4	5 or more
1	100%	50%	33%	25%	20%
2		100%	67%	50%	40%
3			100%	75%	60%
4				100%	100%

(Continued on Original Sheet No. 71-4)

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Original Sheet No. 71-3  
Original Sheet No. 71-4

P.U.C.O. NO. 19

## EMERGENCY CURTAILABLE SERVICE RIDER

### Noncompliance Charge (Cont'd)

If the customer misses four events, the customer will be charged 100% of the total annual payment amount. The Company and the customer will discuss methods to comply during future events, but ultimately the customer can be dismissed from the program if either party is not satisfied that the compliance problem has been resolved. Further, the customer's service under this Rider may be discontinued pursuant to the Conditions of Service.

### Firm Service Level (FSL) Method

### Peak Load Contribution

A Customer's Peak Load Contribution (PLC) will be calculated each year as the average of its load during PJM's five highest peak loads during the twelve month period ended October 31 of the previous year.

### Available Curtailable Demand (ACD)

Each customer must designate an Available Curtailable Demand, defined as the difference between the PLC and the Firm Service Level (FSL). The Available Curtailable Demand shall also be the ECS Contract Capacity. The FSL demand is the level to which the customer agrees to reduce load to or below for each hour during a curtailment event.

### Customer Baseline Load Calculation

A Customer Baseline Load (CBL) will be calculated for each hour corresponding to each event hour. Normally, the CBL will be calculated for each hour as the average corresponding hourly demands from the highest 4 out of the 5 most recent similar non-event days in the period preceding the relevant load reduction event. The highest load days are defined as the similar days (Weekday, Saturday, Sunday/Holiday) with the highest energy consumption spanning the event period hours. In cases where the normal calculation does not provide a reasonable representation of normal load conditions, the Company and customer may develop an alternative CBL calculation that more accurately reflects the customer's normal consumption pattern.

### Curtailed Energy

The Curtailed Energy shall be determined for each event hour, defined as the difference between the customer's CBL for that hour and the customer's metered load for that hour.

### Curtailment Credits

The Curtailment Energy Credit shall be a negotiated amount not less than 80 percent of the AEP East Load Zone hourly Real-Time Locational Marginal Price (LMP) established by PJM (including congestion and marginal losses) for each event hour.

The Curtailment Demand Credit shall be a negotiated amount not less than 80 percent of the Cost of AEP's capacity obligation in accordance with PJM's Reliability Assurance Agreement Among Load Serving Entities, expressed in \$/MW-day multiplied by the Available Curtailable Demand.

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EMERGENCY CURTAILABLE SERVICE RIDER

**Monthly Demand Credit**

The Monthly Demand Credit shall be equal to one-twelfth of the product of the Available Curtailable Demand and the Curtailment Demand Credit (\$/MW-day) times 365. The Monthly Demand Credit shall be applicable to each month the customer is served under this Rider, regardless of whether or not there are any curtailment events during the month.

**Monthly Event Credit**

An Event Credit shall be calculated for each event hour equal to the product of the Curtailed Energy for that hour and the Curtailment Energy Credit for that hour. The Monthly Event Credit shall be the sum of the hourly event credits for all events occurring in the calendar month, but shall not exceed the customer's monthly energy charge under the applicable tariff. The customer shall not receive event credit for any curtailment periods to the extent that the customer's curtailable load is already reduced due to a planned or unplanned outage as a result of vacation, renovation, repair, refurbishment, force majeure, strike, economic conditions, or any event other than the customer's normal operating conditions.

**Noncompliance Charge**

If the customer fails to fully comply with a request for curtailment under the provisions of this Rider, then the Noncompliance Charge shall apply. If a customer is operating at or below their designated Firm Service Level during an event, it will be understood that they have no capacity available with which to comply and will not be charged a noncompliance penalty. If the customer's actual hourly load during the curtailment event is above the designated FSL, the customer will be considered non-compliant. The amount of non-compliance demand is equal to the difference between the customer's actual hourly load and the customer's designated FSL.

The Noncompliance Demand Charge will be calculated based on the number of events during which the customer was noncompliant and the total number of events called by the Company to date for the delivery year. A penalty will be determined as the amount of non-compliance load times the Cost of AEP's capacity obligation in accordance with PJM's Reliability Assurance Agreement Among Load Serving Entities (\$/MW-day) times 365. (e.g. curtailment of only 80 MW of a 100 MW ECS load is non-compliance and counts as a missed event, but the customer's annual payment will be reduced only for the 20 MW non-compliance load times the appropriate percentage from the table below). The penalty will then be multiplied by the percentage of reduction based upon the number of non-compliance events for the customer compared to the number of events called. Below is a table of annual payment reduction percentages.

<b><u>Annual Payment Reduction Percentages for Non-compliance</u></b>					
<b><u>Missed Events</u></b>	<b><u>Number of Events Called Annually</u></b>				
	<b><u>1</u></b>	<b><u>2</u></b>	<b><u>3</u></b>	<b><u>4</u></b>	<b><u>5 or more</u></b>
<b><u>1</u></b>	<b><u>100%</u></b>	<b><u>50%</u></b>	<b><u>33%</u></b>	<b><u>25%</u></b>	<b><u>20%</u></b>
<b><u>2</u></b>		<b><u>100%</u></b>	<b><u>67%</u></b>	<b><u>50%</u></b>	<b><u>40%</u></b>
<b><u>3</u></b>			<b><u>100%</u></b>	<b><u>75%</u></b>	<b><u>60%</u></b>
<b><u>4</u></b>				<b><u>100%</u></b>	<b><u>100%</u></b>

(Continued on Original Sheet No. 71-6)

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### EMERGENCY CURTAILABLE SERVICE RIDER

If the customer misses four events, the customer will be charged 100% of their total annual payment amount, will be dismissed from the program, and may not be eligible to participate in the program until both parties are satisfied that the compliance problem has been resolved. Further, the customer's service under this Rider may be discontinued pursuant to the Conditions of Service.

#### Additional Provisions

##### Customer Credit

The monthly credit(s) will be provided to the customer by check within 60 days after the end of the month. A customer may request aggregation of individual customer accounts into a single credit.

##### Equipment Charge

If a change in metering equipment or functionality is required, customers taking service under this Rider shall pay the additional cost of installation. The Company will make available to the customer the real time pulse metering data, if requested by the customer, for an additional fee.

##### Term

Contracts under this Rider shall be made for an initial period of one year, corresponding with the PJM planning/delivery year, and 1 season and shall remain in effect thereafter until either party provides at least 30-days written notice to the other, prior to the start of the registration period as provided for in the PJM Tariff for the next planning/delivery year next season, of its intention to discontinue service under the terms of this Rider (registration period ended March 1, 2010 for the 2010/2011 delivery year).

##### Special Terms and Conditions

Individual customer information, including, but not limited to, ECS Contract Capacity and Curtailment Option, shall remain confidential.

If a new peak demand is set by the customer in the hour following the curtailment, due to the customer resuming the level of activity prior to the curtailment, the customer's previous high demand will be adjusted to disregard that new peak.

##### OPTION TWO: Conditional Participation in PJM Demand Response Programs

##### Conditions of Service

1. Customers are prohibited from participating in Demand Response Programs offered by PJM, either directly or through Curtailment Service Providers, except as authorized in this Rider.
2. Customers that want to participate in PJM Demand Response Programs must agree to commit, at no charge to the Company, the load being registered under the PJM Demand Response Program toward the Company's compliance with Peak Demand Reduction benchmarks imposed by Ohio law and enter into the customer demand response resource commitment agreement approved by the Commission for this purpose and adhere to the terms and conditions within. Customers who do so are permitted to participate in the PJM Demand Response Programs.

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ENERGY PRICE CURTAILABLE SERVICE RIDER

Availability of Service

~~Available for Energy Price Curtailable Service (EPCS) to customers normally taking firm service under Schedules GS-3 and GS-4 for their total capacity requirements from the Company. The customer must have an on-peak curtailable demand not less than 1 MW and will be compensated for KWH curtailed under the provisions of this Rider.~~

Conditions of Service

1. ~~The Company reserves the right to curtail service to the customer's EPCS load at the Company's sole discretion.~~
2. ~~The Company will endeavor to provide as much advance notice as possible of curtailments under this Rider including an estimate of the duration of such curtailments. However, the customer's EPCS load shall be curtailed within 1 hour if so requested.~~
3. ~~For purposes of this Rider, seasons are defined as follows:~~

Winter	December, January and February
Spring	March, April and May
Summer	June, July and August
Fall	September, October and November
4. ~~The Company and the customer shall mutually agree upon the method which the Company shall use to notify the customer of a curtailment under the provisions of this Rider. The method shall specify the means of communicating such curtailment (e.g., the Company's customer communication system, telephone, pager) and shall designate the customer's representatives to receive said notification. The customer is ultimately responsible for receiving and acting upon a curtailment notification from the Company.~~
5. ~~No responsibility or liability of any kind shall attach to or be incurred by the Company or the AEP System for, or on account of, any loss, cost, expense or damage caused by or resulting from, either directly or indirectly, any curtailment of service under the provisions of this Rider.~~
6. ~~The Company reserves the right to test and verify the customer's ability to curtail. Such test will be limited to one curtailment per contract term. Any failure of the customer to comply with a request to curtail load will entitle the Company to call for one additional test. The Company agrees to notify the customer as to the month in which the test will take place, and will consider avoiding tests on days which may cause a unique hardship to the customer's overall operation. There shall be no credits for test curtailments nor charges for failure to curtail during a test.~~

(Continued on Sheet No. 72-2)

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OHIO POWER COMPANY

Original Sheet No. 72-2

P.U.C.O. NO. 19

ENERGY PRICE CURTAILABLE SERVICE RIDER

7. ~~Upon receiving a curtailment notice from the Company, the customer must respond within 45 minutes when the request is made on a day ahead basis and within 15 minutes when a request is made for the current day if the customer intends to participate in the curtailment event. Customers who fail to respond, or respond that they will not participate in the curtailment event, will receive no payments, nor be subject to any monetary charges described elsewhere under this Rider. However, a customer's failure to respond or a response that the customer will not participate will be considered as a failure to curtail for purposes of Paragraph 8 below.~~
8. ~~The Company reserves the right to discontinue service to the customer under this Rider if the customer fails to curtail under any circumstances three or more times during a season as requested by the Company.~~
9. ~~The customer shall not receive credit for any curtailment periods in which the customer's curtailable load is already down for an extended period due to a planned or unplanned outage as a result of vacation, renovation, repair, refurbishment, force majeure, strike, or any event other than the customer's normal operating conditions.~~

Curtailment Options

~~At the time the customer contracts for service under this Rider, the customer shall select one or both of the following Curtailment Notice Types:~~

<del>_____</del>	<del>Notice Type 1</del>	<del>_____</del>	<del>Day Ahead Notification</del>
<del>_____</del>	<del>Notice Type 2</del>	<del>_____</del>	<del>Current Day Notification</del>

~~At the time the customer selects one or both types of Notice Types above, the customer shall also select one of the following Curtailment Limits for each Notice Type selected:~~

<del>_____</del>	<del>_____</del>	<del>Maximum Duration</del>
<del>_____</del>	<del>Curtailment Limit A</del>	<del>2 hours</del>
<del>_____</del>	<del>Curtailment Limit B</del>	<del>4 hours</del>
<del>_____</del>	<del>Curtailment Limit C</del>	<del>8 hours</del>

~~The Curtailment Limit is the maximum number of hours per curtailment event for which load may be curtailed under the provisions of this Rider. The customer shall receive credit for a minimum of two hours per curtailment event, even if the event is shorter than two hours.~~

~~The customer shall specify the Maximum Number of Days during the season that the customer may be requested to curtail under each Notice Type chosen. The customer shall also specify the Minimum Price at which the customer would be willing to curtail under each Notice Type chosen. The Company, at its sole discretion, will determine whether the customer shall be curtailed given the customer's specified Curtailment Options.~~

(Continued on Sheet No 72-3)

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## ENERGY PRICE CURTAILABLE SERVICE RIDER

EPCS Contract Capacity.

~~Each customer shall have a EPCS Contract Capacity to be considered as price curtailable capacity under this Rider. The customer shall specify the Non EPCS Demand, which shall be the demand at or below which the customer will remain during curtailment periods. The EPCS Contract Capacity shall be the difference between the Customer's typical on-peak demand and the customer's specified Non EPCS Demand. The Company shall determine the customer's typical on-peak demand, as agreed upon by the Company and the customer. For the purpose of this Rider, the on-peak billing period is defined as 7 a.m. to 11 p.m., Eastern daylight time, Monday through Friday.~~

~~The customer may modify the amount of EPCS Contract Capacity and/or the Curtailment Options no more than once prior to each season. Modifications must be received by the Company in writing no later than 30 days prior to the beginning of the season.~~

Curtailed Demand

~~For each curtailment period, Curtailed Demand shall be defined as the difference between the customer's typical on-peak demand and the 30 minute integrated demand during each interval of the curtailment period.~~

Curtailment Credit

~~Hourly EPCS Energy shall be defined as the Curtailed Demand for each 30 minute interval divided by two. For customers with KVA demands, Hourly EPCS Energy shall also be multiplied by the customer's average monthly power factor. The Curtailment Credit shall be equal to the product of the Hourly EPCS Energy and the greater of the following: (a) 80% of the AEP East Load Zone Real Time Locational Marginal Price (LMP) established by PJM (including congestion and marginal losses), (b) the Minimum Price as specified by the customer or (c) 3.5¢/KWH.~~

Monthly Credit

~~The Monthly Credit shall be equal to the sum of the Curtailment Credits for the calendar month, less any Noncompliance Charges. The Monthly Credit will be provided to the customer by check within 30 days after the end of the month in which the curtailment occurred. This amount will be recorded in the Federal Energy Regulatory Commission's Uniform System of Account 555, Purchased Power, and will be recorded in a subaccount so that the separate identity of this cost is preserved.~~

(Continued on Sheet No. 72-4)

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Original Sheet No. 72-4

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ENERGY PRICE CURTAILABLE SERVICE RIDER

Failure to Curtail

~~If the customer responds affirmatively that it will participate in a curtailment event, and subsequently fails to fully comply with a request for curtailment under the provisions of this Rider, then the Noncompliance Demand shall be the difference between the maximum 30-minute integrated demand during each hour of the curtailment period and the Non-EPCS Demand. Noncompliance Energy shall be calculated each hour of the curtailment period as the Noncompliance Demand multiplied by the number of hours for the curtailment period. For customers with KVA demands, Noncompliance Energy shall also be multiplied by the customer's average monthly power factor. Noncompliance Energy shall be billed at a rate equal to the applicable Curtailment Credit for the hours during which the customer failed to fully comply.~~

Term

~~Contracts under this Rider shall be made for an initial period of 1 season and shall remain in effect thereafter until either party provides to the other at least 30 days written notice prior to the start of the next season of its intention to discontinue service under the terms of this Rider.~~

Special Terms and Conditions

~~Individual customer information, including, but not limited to, EPCS Contract Capacity and Curtailment Options, shall remain confidential.~~

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OHIO POWER COMPANY

2<sup>nd</sup> Revised Sheet No. 75-1  
Cancels 1<sup>st</sup> Revised Sheet No.75-1

P.U.C.O. NO. 19

## TRANSMISSION COST RECOVERY RIDER

Effective Cycle 1 July 2010, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Transmission Cost Recovery Rider per KW and/or KWH as follows:

Schedule	¢/KWH	\$/KW
RS, RS-ES, RS-TOD and RDMS	0.78263	
GS-1	0.64507	
GS-2 Secondary	0.21744	0.83
GS-2 Recreational Lighting, GS-TOD and GS-2-ES	0.55785	
GS-2 Primary	0.20964	0.80
GS-2 Subtransmission and Transmission	0.20460	0.78
GS-3 Secondary	0.19202	1.73
GS-3-ES	0.56281	
GS-3 Primary	0.18514	1.67
GS-3 Subtransmission and Transmission	0.18068	1.63
IRP-D Secondary	0.19124	2.05
GS-4 Primary, IRP-D Primary	0.18438	1.98
GS-4 Subtransmission and Transmission, IRP-D Subtransmission and Transmission	0.17995	1.93
EHG	0.95801	
EHS	0.60458	
SS	0.60458	
OL	0.25190	
SL	0.25190	

Schedule SBS	¢/KWH	\$/KW					
		5%	10%	15%	20%	25%	30%
Backup - Secondary	0.19683	0.28	0.55	0.83	1.10	1.38	1.65
- Primary	0.18977	0.27	0.53	0.80	1.06	1.33	1.59
-Subtrans/Trans	0.18521	0.26	0.52	0.78	1.04	1.30	1.56
Backup < 100 KW Secondary		0.46					
Maintenance - Secondary	0.33001						
- Primary	0.31818						
- Subtrans/Trans	0.31053						

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AEP Ohio

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## FUEL ADJUSTMENT CLAUSE RIDER

Effective Cycle 1-February 2011-~~January 2012~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Fuel Adjustment Clause charge per KWH as follows:

Schedule	Secondary	Primary	Subtransmission/ Transmission
	(\$/KWH)	(\$/KWH)	(\$/KWH)
RS, RS-ES, RS-TOD and RDMS	3.18012	—	—
GS-1	3.29131	—	—
GS-2	3.00046	2.89296	2.82345
GS-2 Recreational Lighting, GS-TOD and GS-2-ES	3.00046	—	—
GS-3	2.82459	2.72339	2.65795
GS-3-ES	2.82459	—	—
GS-4	—	2.43472	2.37622
IRP-D	2.52519	2.43472	2.37622
EHG	3.02127	—	—
EHS	2.60641	—	—
SS	2.91048	—	—
QL	4.44636	—	—
SL	3.81544	—	—
SBS	2.91311	2.72600	2.42134

Delivery Voltage	Charge
	(\$/KWH)
Secondary	
Primary	
Subtransmission/Transmission	

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OHIO POWER COMPANY

1<sup>st</sup> Revised Sheet No. 81-1  
Cancels Original Sheet No. 81-1

P.U.C.D. NO. 19

**ENERGY EFFICIENCY AND PEAK DEMAND REDUCTION COST RECOVERY RIDER**

Effective Cycle 1 June 2010, 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
RS, RS-ES, RS-TOD and RDMS	0.29405
GS-1	0.26073
GS-2 and GS-TOD	0.26073
GS-3	0.26073
GS-4 and IRP-D	0.03662
EHG	0.26073
EHS	0.26073
SS	0.26073
OL	0.00000
SL	0.00000
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.

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AEP Ohio

OHIO POWER COMPANY

3<sup>rd</sup> Revised Sheet No. 82-1  
Cancels 2<sup>nd</sup> Revised Sheet No. 82-1

P.U.C.O. NO. 19

**ECONOMIC DEVELOPMENT COST RECOVERY RIDER**

Effective Cycle 1 October, 2010, 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 8.48794% 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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2<sup>nd</sup> Revised Sheet No. 83-1  
Cancels 1<sup>st</sup> Revised Sheet No. 83-1

P.U.C.O. NO. 19

**ENHANCED SERVICE RELIABILITY RIDER**

Effective Cycle 1 September 2010, 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 5.89939% 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. 84-1

P.U.C.O. NO. 19

gridSMART RIDER

Effective with the first billing cycle of \_\_\_\_\_, \_\_\_\_\_, 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 \$\_\_\_\_\_/month

Non-Residential Customers \$\_\_\_\_\_/month

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P.U.C.O. NO. 7

ENVIRONMENTAL INVESTMENT CARRYING COST RIDER

Effective Cycle 1-September 2010 January 2012, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Environmental Investment Carrying Cost Rider charge per kWh as follows: of 4.46836% of the customer's Non-Fuel generation charges under the Company's Schedules, excluding charges under any applicable Riders.

Schedule	Charge ¢/KWH
RS, RS-ES, RS-TOD and RDMS	
GS-1, FL (Tariff Code 716)	
GS-2, GS-2 Recreational Lighting, GS-TOD, GS-2-ES, GS-3, GS-3-ES, GS-4, EHG, EHS, SS	
OL	
SL	

This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

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## STANDARD OFFER GENERATION SERVICE RIDER

Effective Cycle 1 January 2012, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Standard Offer Generation Service Rider charge per kW and/or kWh as follows:

Schedule	Summer ¢/KWH	Winter ¢/KWH
Residential	3.582	2.838
Residential - On-Peak	4.953	3.607
Residential - Off-Peak, SWH & LMWH	1.972	2.019
GS-1 & GS-2 RL	2.714	2.057
GS-1/GS-2/GS-3 On-Peak	3.923	2.735
GS-1/GS-2/GS-3 Off-Peak	1.292	1.334
OL	0.053	0.053
SL	0.059	0.059

Schedules GS-2, GS-3, GS-4, EHG, EHS, SS						
Delivery Voltage:	Secondary		Primary		Subtransmission/ Transmission	
	Summer ¢/KWH	Winter ¢/KWH	Summer ¢/KWH	Winter ¢/KWH	Summer ¢/KWH	Winter ¢/KWH
First 100 kWh per kW	3.130	2.434	3.021	2.350	2.961	2.303
Next 100 kWh per kW	3.040	2.354	2.935	2.272	2.876	2.227
Next 100 kWh per kW	2.700	2.048	2.606	1.977	2.554	1.938
Next 100 kWh per kW	2.108	1.519	2.035	1.466	1.984	1.437
Next 100 kWh per kW	1.265	0.765	1.221	0.738	1.197	0.724
Next 100 kWh per kW	0.172	0.000	0.166	0.000	0.163	0.000
Over 600 kWh per kW	0.000	0.000	0.000	0.000	0.000	0.000

Schedule SBS	Summer ¢/KWH	Winter ¢/KWH	\$/KW					
			5%	10%	15%	20%	25%	30%
Backup - Secondary	1.292	1.334	0.55	1.09	1.64	2.19	2.74	3.28
- Primary	1.247	1.288	0.55	1.09	1.64	2.19	2.74	1.59
- Subtrans/Trans	1.222	1.262	0.55	1.09	1.64	2.19	2.74	1.56
Backup < 100 KW Secondary			1.64					
Maintenance - Secondary	1.556	1.598						
- Primary	1.511	1.552						
- Subtrans/Trans	1.486	1.526						

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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 \_\_\_\_\_% 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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Original Sheet No. 90-1

P.U.C.O. NO. 19

## EMERGENCY ELECTRICAL PROCEDURES

### [A] GENERAL

Emergency electrical procedures may be necessary if there is a shortage in electric power or energy to meet the demands of customers in the electric service area of Ohio Power Company (OPCo or Company). Should such emergency procedure become necessary, the Company shall advise promptly the Public Utilities Commission of Ohio (Commission) of the nature, time, and duration of all implemented emergency conditions and procedures which affect normal service to customers.

Each year, prior to March 1<sup>st</sup>, the Company will apprise the public of the state of electricity supply in its service area.

As appropriate, and dependent on the nature of the anticipated or occurring emergency, the Company shall initiate the following procedures.

### [B] EMERGENCY PROCEDURES DURING DECLINING SYSTEM FREQUENCY

#### Introduction

Precautionary procedures are required to meet emergency conditions such as system separation and operation at subnormal frequency. In addition, the coordination of these emergency procedures with neighboring companies is essential. The AEP program, which is in accordance with ECAR Document 3, is noted below.

#### Procedures

1. From 60.0-59.8 Hz to the extent practicable utilize all operating and emergency reserves. The manner of utilization of these reserves will depend greatly on the behavior of the System during the emergency. For rapid frequency decline, only that capacity on-line and automatically responsive to frequency (spinning reserve), and such items as interconnection assistance and load reductions by automatic means are of assistance in arresting the decline in frequency.  
  
If the frequency decline is gradual, the system operators, particularly in the deficient area, should invoke non-automatic procedures involving operating and emergency reserves. These efforts should continue until the frequency decline is arrested or until automatic load-shedding devices operate at subnormal frequencies.
2. At 59.8 Hz trip automatic load-frequency control system at SCC and at the power plants. (Also trip at 60.2 Hz.)
3. At 59.8 Hz notify interruptible customers to drop loads.
4. At 59.5 Hz automatically shed 3-1/3% of System internal load, excluding interruptibles, by relay action.
5. At 59.4 Hz automatically shed an additional 3-1/3% of System internal load, excluding interruptibles, by relay action.

(Continued on Sheet No. 90-2)

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EMERGENCY ELECTRICAL PROCEDURES

6. At 59.3 Hz automatically shed an additional 3-1/3% of System internal load, excluding interruptibles, by relay action.
7. At 59.1 Hz automatically shed an additional 5% of System internal load, excluding interruptibles, by relay action.
8. At 59.0 Hz automatically shed an additional 5% of System internal load, excluding interruptibles, by relay action.
9. At 58.9 Hz automatically shed an additional 5% of System internal load, excluding interruptibles, by relay action.
10. At 58.2 Hz automatically trip the D.C. Cook Nuclear Units 1 and 2.
11. At 58.0 isolate generating units without time delay.

If at any time in the above procedure the decline in area frequency is arrested below 59.0 Hz, that part of the System in the low frequency area should shed an additional 10% of its initial load. If, after five minutes, this action has not returned the area frequency to 59.0 Hz or above, that part of the System shall shed an additional 10% of its remaining load and continue to repeat in five-minute intervals until 59.0 Hz is reached. These steps must be completed within the time constraints imposed upon the operation of generating units.

[C] CAPACITY EMERGENCY CONTROL PROGRAM

Introduction

A capacity deficiency exists on the AEP System when AEP cannot meet its internal load obligations and its reliability reserve requirements by use of its own generation or purchases from interconnections.

When a capacity deficiency exists on the AEP System that requires the use of emergency resources, they shall be utilized – to the extent needed and feasible – in the sequence indicated as follows. If it is anticipated that Steps 8, 11 and 13 may be required, a Voltage Reduction Alert, a Voluntary Load Curtailment Alert, and a Mandatory Load Curtailment Alert will be issued by the System Control Center (SCC) giving as much advance notice as possible.

The emergency capacity resources for meeting load, together with the priority order of use and the method of communication, are presented below:

Definitions

The definitions associated with the emergency capacity resources are provided below:

(Continued on Sheet No. 90-3)

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## P.U.C.O. NO. 19

## EMERGENCY ELECTRICAL PROCEDURES

## 1. Interruptible Loads

Interruptible Loads are defined as customer loads served under tariffs that provide for the curtailment and interruption of such loads as a condition of service. Such loads are included in Step 1 of the Capacity Deficiency Procedure. In the event of a shortage of generating capacity on the AEP System that cannot be alleviated from sources of generation on neighboring systems, Interruptible Loads shall be curtailed or interrupted at the direction of the AEP SCC under the conditions defined below:

- a. To arrest a decline in system frequency caused by AEP generation deficiency and to attempt to restore Area Control Error to zero following the sudden loss of generation if available spinning reserve is insufficient to do so. Partial or full service shall be restored to Interruptible Loads as soon as (1) sufficient amounts of replacement energy are made available and delivered by interconnected electric utility systems, or (2) system generation is able to match system load requirements.
- b. To arrest declining system frequency caused by AEP generation deficiency and to attempt to restore Area Control Error to zero during periods of shortage of generating capacity on the AEP System that cannot be alleviated from sources of generation on interconnected electric utility systems as provided in the Capacity Deficiency Procedure.
- c. To arrest declining system frequency when the entire interconnected system is critically short of generating capacity.
- d. To conserve fuel during a period of severe coal shortage as provided in the Energy Emergency Control Program.

In addition to the above-described specific purposes, Interruptible Loads shall be curtailed or interrupted at any time and for periods of time as deemed necessary by the SCC to maintain the integrity of the AEP System.

## 2. Supplementary Oil and Gas Firing

The use of oil and gas firing to regain lost generation that has occurred due to curtailments caused solely from loss of coal firing capability. Larger orifice plates in the oil lighter tips are required. If the unit is at full load (wide-open valves), no additional capacity is available.

## 3. Operate Generator Peakers

Additional capacity is available at Conesville (7.5 MW), Rockport (5 MW) and Groveport (1.5 MW) by operating diesel-generation sets located at the respective sites. Also, additional capability is available from the gas-turbine set at 1 Riverside Plaza (2.5 MW).

(Continued on Sheet No. 90-4)

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EMERGENCY ELECTRICAL PROCEDURES

4. **Emergency Hydro**  
Additional Hydro Plant Capability is provided by operating with 100 percent turbine gate openings at Leesville, Claytor, Byllesby, Buck, and Reusens. Extreme caution must be used, as operating in this manner could result in seriously lowering the elevations of the reservoirs too rapidly and creating other problems. Existing lake levels and actual flows will dictate the duration of availability.
5. **Curtailment of Generating Plant Use**  
The curtailment of generating plant use is brought about by limiting the operation of noncritical plant activities. This would usually consist of the curtailment of coal handling, the shutting down of the machine shop to the extent practical, and the curtailment of lighting or air conditioning load. Plant management has the responsibility to determine what noncritical plant activities may be limited or stopped.
6. **Curtailment of Non-Essential Building Load**  
This step pertains to the office and commercial buildings of the AEP System and primarily represents the lighting and air conditioning or heating load.
7. **Extra Load Capability of Generating Units**  
The utilization of overpressure and/or the removal of feedwater heaters results in additional capability that may be utilized for limited daily periods, depending on unit condition and frequency of use.
8. **Voltage Reduction (DOE Report Required)**  
The voltage on the transmission and subtransmission system shall not be affected. The general approach is to lower the voltage at distribution stations that have automatic bus voltage regulators or feeder regulators. The full effect of the voltage reduction program is not instantaneous, but depends upon time required for the dispatching of personnel to implement the program.  
  
This voltage reduction involves a three (3) volt reduction, corresponding to a two and one-half percent voltage reduction and an estimated two percent drop in load.
9. **Curtailment of Short-Term Deliveries**  
The curtailment of short-term deliveries supplied from AEP generation involves the termination of deliveries in this classification, except to those systems that are delivering equivalent energy to AEP.
10. **Emergency Curtailable Service (DOE Report Required)**  
Emergency Curtailable Service customers are those taking firm service with an on-peak curtailable demand of not less than 3 MW, who contract with AEP to be compensated for KWH curtailed for capacity deficiency. When requested to curtail by the SCC, the customer must curtail their load within thirty minutes. The amount of curtailable MWs available for this step will vary.

(Continued on Sheet No. 90-5)

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P.U.C.O. NO. 19

EMERGENCY ELECTRICAL PROCEDURES

11. Voluntary Load Curtailment (DOE Report Required)

In cases of sudden emergencies, it may be necessary to utilize Step 13 even before this step is fully implemented.

- a. Radio and television alert to the general public to reduce all non-essential load, far enough in advance of need to be effective at the time that 11.c below is effective.
- b. Load relief utilizing voluntary industrial curtailment program. Under this program industrial and wholesale customers and coal mine preparation plants are requested to curtail all non-essential power usage. This program is to be utilized when it becomes known in advance that power commitments on the AEP System cannot be carried by utilizing all emergency capacity resources and all available assistance from the interconnections. The SCC will initiate the program to contact designated customers through Business Services personnel.
- c. Municipal and REMC customers will be requested to reduce their demand on the AEP System by as much as possible through appeals for voluntary reduction.

12. Extended Capability and Internal Load Curtailment

- a. Concurrent with Step 11, request extended load operation from the 800 MW G.E. units, Amos 1 and 2, Big Sandy 2, Mitchell 2, and from both Rockport units. The amount of MWs that will be available will depend on the ambient temperature (approximately 50-105 MWs).
- b. Concurrent with Step 11, contact and inform Fuel Supply of the System Load situation. Approximately 50 to 75 MW in load reduction is available with all mines and prep plants shut down during peak load periods.
- c. Concurrent with Step 11, contact OVEC/KEC and ask if the Piketon enrichment plant can reduce load. Also ask that the OVEC/KEC plants curtail all generating units' non-essential loads. OVEC/KEC should be able to reduce load by 75 MW.
- d. Concurrent with Step 11, contact the Environmental Services Air Quality Section Manager or assigned Air Section Engineer and obtain approval to allow West Virginia plants to exceed opacity limits to get additional curtailed load or extended load. When approved, contact the applicable plants that need an opacity variance and inform them of the new emergency opacity limit.
- e. Concurrent with Step 11, contact the Environmental Services Air Quality Section Manager or assigned Air Section Engineer and obtain approval to exceed heat input limits for the Tanners Creek plant while Step 11 is in effect. Information regarding maximum heat input for each day, during the variance period, will need to be gathered. Verify with the Environmental Services Air Quality Section Manager the exact information that will be needed. Contact the plant when the variance is approved.

(Continued on Sheet No. 90-6)

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## P.U.C.O. NO. 19

## EMERGENCY ELECTRICAL PROCEDURES

## 13. Mandatory Load Curtailment (DOE Report Required)

- a. Limited term and firm deliveries supplied by AEP generation to systems, pools, or Century Aluminum not delivering equivalent energy to AEP will be curtailed previous to manually curtailing AEP distribution feeders.
- b. Under this program distribution feeders can be manually interrupted upon order of the SCC. This order may be given under conditions of extreme capacity deficiency and declining frequency. In case of a sudden deterioration of frequency or overloaded ties, it may be necessary to start this step before all of the preceding steps are utilized or are fully effective. The order to interrupt will specify the amount of load or number of blocks in the Mandatory Load Curtailment Program that Transmission Operations needs to interrupt in each step. The periods of interruption will be approximately 15 minutes. During the circuit rotation the circuits in one step will be opened before previously opened ones are reclosed.

Interruption of distribution feeders will normally be done on a rotational basis to minimize cold load pickup problems and to minimize interruption to facilities that are essential to public health and safety.

In order to keep the Mandatory Load Shedding program as simple as possible, the circuits are divided into Groups A and Groups B. In addition, a number of blocks of circuits are divided up within each group; except for the Columbus Region, and the Southern Transmission Region which are set up under one supervisory control block and controlled by computer programs. There are six blocks per group with approximately 200 MWs per block. The SCC will advise Transmission Operations of a target load they want to shed. The number of blocks will then be evaluated, along with the supervisory controlled block, and the stations identified by the TDC's that need to be manned.

The circuit rotation will be done on a 15-minute rotation to minimize cold load or hot load pickup problems. The Group A circuits will be dropped on the HR:00 through HR:15 and HR:30 through HR:45. The Group B circuits will be dropped on the HR:15 through HR:30 and HR:45 through HR:00.

## 14. Termination of Capacity Emergency

The implementation of an Emergency Capacity resources condition that does not reach the voluntary load curtailment step indicated under Step 11 may be terminated by the Company at any time. However, any condition involving voluntary and/or mandatory load curtailments, Steps 11 or 13 shall be terminated on an AEP System-wide basis, upon notice to the Commissions, when the capacity emergency has eased sufficiently to permit substantially normal operations by the Company.

(Continued on Sheet No. 90-7)

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## EMERGENCY ELECTRICAL PROCEDURES

### [D] ENERGY EMERGENCY CONTROL PROGRAM

The purpose of this plan is to provide for the reduction of the consumption of electric energy on the American Electric Power Company System in the event of a severe coal shortage, such as might result from a general strike in the coal mines.

In the event of a potential severe coal shortage, such as one resulting from a general coal strike, the following steps will be implemented. These steps will be carried out to the extent permitted by contractual commitments or by order of the regulatory authorities having jurisdiction.

1. To be initiated when system fuel supplies are decreased to 70% of normal target days' operation of coal-fired generation and a continued downward trend in coal stock is anticipated:
  - a. Optimize the use of non-coal-fired generation to the extent possible.
  - b. For individual plants significantly under 70% of normal target days' supply, modify economic dispatching procedures to conserve coal.
  - c. If necessary discontinue all economy sales to neighboring utilities.
  - d. Curtail the use of energy in company offices, plants, etc., over and above the reductions already achieved by current in-house conservation measures.
2. To be initiated when system fuel supplies are decreased to 60% of normal target days' operation of coal-fired generation and a continued downward trend in coal stocks is anticipated:
  - a. Substitute the use of oil for coal, as permitted by plant design, oil storage facilities, and oil availability.
  - b. Discontinue all economy and short term sales to neighboring utilities.
  - c. Limit emergency deliveries to neighboring utilities to situations where regular customers of such utilities would otherwise be dropped or where the receiving utility agrees to return like quantities of energy within 14 days.
  - d. Curtail electric energy consumption by customers on Interruptible contracts to a maximum of 132 hours of use at contract demand per week.
  - e. Purchase energy from neighboring systems to the extent practicable.
  - f. Purchase energy from industrial customers with generation facilities to the extent practicable.

(Continued on Sheet No. 90-8)

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EMERGENCY ELECTRICAL PROCEDURES

- g. Through the use of news media and direct customer contact, appeal to all customers (retail as well as wholesale) to reduce their non-essential use of electric energy as much as possible, in any case by at least 25%.
        - h. Reduce voltage around the clock to the extent feasible.
        - i. The company will advise customers of the nature of the mandatory program to be introduced in C below, through direct contact and mass media, and establish an effective means of answering specific customer inquiries concerning the impact of the mandatory program on electricity availability.
- 3. To be initiated – in the order indicated below – when system fuel supplies are decreased to 50% of normal target days' operation of coal-fired plants and a continued downward trend in coal stocks is anticipated:
  - a. Discontinue emergency deliveries to neighboring utilities unless the receiving utility agrees to return like quantities of energy within seven days.
  - b. Request all customers, retail as well as wholesale, to reduce their non-essential use of electric energy by 100%.
  - c. Request, through mass communication media, curtailment by all other customers a minimum of 15% of their electric use. These uses include lighting, air conditioning, heating, manufacturing processes, cooking, refrigeration, clothes washing and drying, and any other loads that can be curtailed.
  - d. All customers will be advised of the mandatory program specified below in D.
- 4. To be initiated when system fuel supplies are decreased to 40% of normal target days' operation of coal-fired generation and a continued downward trend in coal stocks is anticipated:
  - a. Implement procedures for curtailment of service to all customers to a minimum service level that is not greater than that required for protection of human life and safety, protection of physical plant facilities, and employees' security. This step asks for curtailment of the maximum load possible without endangering life, safety and physical facilities.
  - b. All customers will be advised of the mandatory program specified below in E.
- 5. To be initiated when system fuel supplies are decreased to 30% of normal target days' operation of coal-fired generation and a continued downward trend in coal stocks is anticipated:

(Continued on Sheet No. 90-9)

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EMERGENCY ELECTRICAL PROCEDURES

Implement procedures for interruption of selected distribution circuits on a rotational basis, while minimizing - to the extent practicable - interruption to facilities that are essential to the public health and safety.

6. The Energy Emergency Control Program will be terminated when:
- a. The AEP System's remaining days of operation of coal-fired generation is at least 40% of normal target days' operation, and
  - b. Coal deliveries have been resumed, and
  - c. There is reasonable assurance that the AEP System's coal stocks are being restored to adequate levels.

With regard to mandatory curtailments identified in Items C, D, and E above, the Company proposes to monitor compliance after the fact. A customer exceeding his electric allotment would be warned to curtail his usage or face, upon continuing noncompliance and upon one day's actual written notice, disconnection of electric service for the duration of the energy emergency.

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OHIO POWER COMPANY

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P.U.C.O. NO. 19

GENERATION RESOURCE RIDER

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

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ALTERNATIVE ENERGY RIDER

Effective Cycle 1 January 2012, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Alternative Energy Rider charge per kWh as follows:

<u>Delivery Voltage</u>	<u>Charge (\$/kWh)</u>
Secondary	0.00000
Primary	0.00000
Subtransmission/Transmission	0.00000

This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

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PHASE-IN RECOVERY RIDER

Effective Cycle 1 January 2012, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Phase-In Recovery Rider charge per kWh as follows:

<u>Delivery Voltage</u>	<u>Charge (\$/kWh)</u>
Secondary	0.28936
Primary	0.27932
Subtransmission/Transmission	0.27375

This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

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MARKET TRANSITION RIDER

Effective Cycle 1 January 2012, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Market Transition Rider charge/credit per kWh as follows:

<u>Schedule</u>	Rate Applicable for All Billing Months of Calendar 2012	Rate Applicable for All Billing Months of Calendar 2013
	<u>Charge/(Credit)</u> ¢/KWH	<u>Charge/(Credit)</u> ¢/KWH
RS, RS-ES, RS-TOD and RDMS	(0.058)	(0.037)
GS-1	1.380	0.726
GS-2, GS-2 Recreational Lighting, GS-TOD and GS-2-ES	0.671	0.339
GS-3 and GS 3-ES	(0.008)	0.003
GS-4	(0.352)	(0.178)
EHG	(0.459)	(0.228)
EHS	(2.215)	(1.267)
SS	0.145	0.072
FL (Tariff Code 716)	(1.192)	(0.621)
OL	6.166	3.084
SL	5.828	2.855
SBS	(26.719)	(17.655)

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GENERATION NERC COMPLIANCE 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 Generation NERC Compliance Cost Recovery Rider charge of \_\_\_\_\_. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

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FACILITY CLOSURE 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 Facility Closure Cost Recovery Rider charge of \_\_\_\_\_. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

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CARBON CAPTURE AND SEQUESTRATION RIDER

Effective \_\_\_\_\_, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Carbon Capture and Sequestration Rider charge of \_\_\_\_\_. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

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P.U.C.O. NO. 19

**GREEN POWER PORTFOLIO RIDER**

Availability of Service

Available to customers taking service under the Company's metered rate schedules. This Rider is not available to Percentage of Income Payment Plan customers.

The Company reserves the right to limit participation in this Rider. Participation in this program is subject to the Company's ability to generate and/or procure renewable energy and renewable energy certificates (RECs) from Renewable Energy Resources, for purposes of compliance with Section 4928.64, Ohio Revised Code. If the total of all kWh under contract under this Rider equals or exceeds the amounts procured by the Company, the Company will endeavor to procure additional Renewable Energy Resources at a cost that is equal to or less than the price established in this Rider.

Conditions of Service

Customers who wish to support the development of electricity generated by Renewable Energy Resources may contract to purchase a specified percentage (25%, 50%, 75% or 100%) of their monthly kWh usage.

Renewable Energy Resources shall be defined in Section 4928.01 (A) (35) of the Ohio Revised Code and as determined by the Public Utilities Commission. Renewable Energy Resources include, but are not limited to, solar photovoltaic, solar thermal energy, wind energy, power produced from a hydroelectric facility, geothermal energy, fuel derived from solid wastes, biomass energy, biologically derived methane gas, energy derived from non-treated byproducts of the pulping process or wood manufacturing process, and fuel cells.

Monthly Rate

In addition to the monthly charges determined according to the Company's rate schedule under which the customer takes service, the customer shall also pay the following rate per monthly kWh used based upon the customer-selected Renewable Energy Resource percentage.

<u>Renewable Energy Resource Percentage</u>	<u>Green Energy Charge (\$ per kWh)</u>
25%	0.89
50%	1.79
75%	2.68
100%	3.58

Customer's electing service under this Rider will not be subject to the Advanced Energy Rider. The Company reserves the right to update the Green Energy Charge no more frequently than annually.

Term of Contract

Contracts under this Rider will be for an initial term of one (1) year and shall continue thereafter until either party provides thirty (30) days' notice to discontinue service under this Rider. Enrollments will be taken in the order that executed contracts are received.

(Continued on Sheet No. 98-2)

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OHIO POWER COMPANY

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P.U.C.O. NO. 19

GREEN POWER PORTFOLIO RIDER

Special Terms and Conditions

This Rider is subject to the Company's Standard Terms and Conditions of Service and all provisions of the rate schedule under which the customer takes service, including all payment provisions. The Company may deny or terminate service under this Rider to customers who are delinquent in payment to the Company.

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P.U.C.O. NO. 19

**RATE SECURITY RIDER**

Availability of Service

Available for general service to customers having annual maximum demands of greater than 200 kW.

The Company reserves the right to limit participation in this Rider to 2,500 GWh of aggregate usage per year.

Conditions of Service

Customers who wish to enroll in this Rider must enter into a contract by March 31, 2012, subject to approval by the Public Utilities Commission of Ohio under Section 4905.31, Ohio Revised Code. Enrollments will be taken in the order that executed contracts are received.

Customers enrolled in this Rider agree to take standard offer service from the Company under the applicable rate schedule through the billing month of May 2017 and will not take service from a qualified CRES Provider during the term of the contract.

In no event shall service under this Rider be available to a customer whose principal business at the service location is classified in one of the following Standard Industrial Classification (SIC) Major Groups:

01	02	07	08	09	15	16	17	50	51
52	53	54	55	56	57	58	59	64	70

Monthly Rate

All monthly charges shall be determined according to the Company's rate schedule under which the customer takes service, including all applicable riders. The customer's monthly charges for base generation service under the Standard Offer Generation Service Rider shall be adjusted as follows:

Billing Months	Base Generation Service Discount	Base Generation Service Rate
January 2012 through December 2012	15%	85% of Standard Offer Generation Service Rider
January 2013 through May 2014	15%	85% of Standard Offer Generation Service Rider
June 2014 through May 2015	10%	90% of January 2013 through May 2014 Standard Offer Generation Service Rider
June 2015 through May 2016	5%	95% of January 2013 through May 2014 Standard Offer Generation Service Rider
June 2016 through May 2017	0%	100% of January 2013 through May 2014 Standard Offer Generation Service Rider

(Continued on Sheet No. 99-2)

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RATE SECURITY RIDER

Term of Contract

Contracts under this Rider will be for a term beginning with the first day of the first billing month following receipt of an executed contract, subject to the participation deadline and limit, and ending with the billing month of May 2017. Contracts under this Rider shall not commence before the billing month of January 2012 or after the billing month of May 2012.

Should a customer that has entered into a contract under this Rider not take standard offer service from the Company under the applicable rate schedule through the billing month of May 2017, the customer will be required to repay all rate discounts received under this Rider plus a 25% adder within 21 days after the mailing of the bill that includes such charges.

Special Terms and Conditions

This Rider is subject to the Company's Standard Terms and Conditions of Service and all provisions of the rate schedule under which the customer takes service.

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