

# Large Filing Separator Sheet

CASE NUMBER: 09-1906-EL-ATA

FILE DATE: DEC 04 2009

SECTION: 1 of 2

NUMBER OF PAGES: 150

DESCRIPTION OF DOCUMENT:

APPLICATION

NC

BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO

Application Not for an Increase in Rates

FILE

In the Matter of the Application of  
Columbus Southern Power Company  
and Ohio Power Company to  
Modify Their Standard Service Offer Rates

Case No. 09- 1906 -EL-ATA

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1. APPLICANT RESPECTFULLY PROPOSES: (Check applicable proposals)

- |   |  |
|---|--|
| <input type="checkbox"/> New Service  | <input type="checkbox"/> Change in Rule or Regulation  |
| <input type="checkbox"/> New Classification   | <input checked="" type="checkbox"/> Reduction in Rates |
| <input type="checkbox"/> Change in Classification   | <input type="checkbox"/> Correction of Error           |
| <input checked="" type="checkbox"/> Other, not involving increase in rates                        |  |
| <input type="checkbox"/> Various related and unrelated textual revision, without change in intent |  |

2. DESCRIPTION OF PROPOSAL:

Columbus Southern Power Company (CSP) and Ohio Power Company (OPCO) are revising their Standard Service Offer rates pursuant to the Commission's orders in Case Nos. 08-917 and 08-918-EL-SSO. The Commission authorized 2010 rate increases of 6% for CSP and 7% for OPCO. By filings made on December 1, 2009 in Case Nos. 09-872 and 873-EL-FAC, the Companies have proposed to adjust their FAC rates to reflect these authorized increases. The 2010 non-FAC generation rates for each Company, each Company's Enhanced Service Reliability Rider and CSP's gridSMART Rider are being decreased to collect the same revenues associated with these rate components as authorized by the Commission for 2009. Each Company's Provider of Last Resort (POLR) Charge Rider also is decreased in 2010. However, that decrease already is reflected in the Companies' current rate schedules. Therefore, there is no need to re-file those POLR schedules.

3. TARIFFS AFFECTED: (If more than 2, use additional sheets) **See Attached Sheet**

4. Attached hereto and made a part hereof are: (Check applicable Exhibits)

- ☒ Exhibit A - Existing schedule sheets (to be superseded) if applicable
- ☒ Exhibit B-1 Clean copies of proposed schedule sheets
- ☒ Exhibit B-2 Marked copies of proposed schedule sheets
- ☐ Exhibit C-1
- (a) If new service is proposed, describe:
- (b) If new equipment is involved, describe (preferably with a picture, brochure, etc.) and where appropriate, a statement distinguishing proposed service from existing services;
- (c) If proposal results from customer requests, so state, giving if available, the

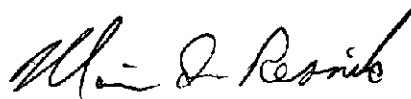
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number and type of customers requesting proposed service.

\_\_\_\_\_ Exhibit C-2 - if a change of classification, rule or regulation is proposed, a statement explaining reason for change

  X   Exhibit C-3 - statement explaining reason for any proposal not covered in Exhibits C-1 or C-2

5. Schedules supporting the Companies' proposed rate decreases are attached to this application.
6. The Company requests that the Commission permit the filing of the rate schedules shown in Exhibit B-1 to this application, to become effective with the first billing cycle of January, 2010.



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Counsel for  
Columbus Southern Power Company and  
Ohio Power Company

## EXHIBIT C-3

### Explanation for Proposed Tariff Changes

The Companies' non-FAC generation rates need to be decreased to achieve the 2010 authorized revenue level set in their Electric Security Plan proceeding. In addition, Columbus Southern Power Company's Enhanced Service Reliability Rider and its gridSMART Rider will be decreased. Ohio Power Company's Enhanced Service Reliability Rider also will decrease. Both Companies' existing Provider of Last Resort Charge Riders already provide for a rate decrease in 2010. Therefore, there is no need to modify that rider.

Columbus Southern Power Company 2010  
gridSMART and Enhanced Service  
Reliability Riders

<u>gridSMART Rider</u>	<u>2010</u>
Approved Revenue Requirement for gridSMART Rider	\$ 8,310,946 *
Annual Distribution Revenue	<u>\$ 325,881,559</u>
CSP gridSMART Rider Rate	2.55030%

<u>Enhanced Service Reliability Rider</u>	<u>2010</u>
Approved Revenue Requirement for Enhanced Service Reliability Rider	\$ 9,221,680 *
Annual Distribution Revenue	<u>\$ 325,881,559</u>
CSP Enhanced Service Reliability Rider Rate	2.82976%

\*Same as 2009

## Columbus Southern Power Company 2010 Non-FAC Generation Adjustment Factor

2001-2008 Approved Environmental Carry Charges						2010
						\$ 26,000,000
Annual Non-FAC Revenue						\$ 413,483,083
Non-FAC Generation Adjustment Factor						6.28804%
Rate Code	Class/Description	Units	Adjusted 2008 Non-FAC Rates	X	6.28804%	= 2010 Non-FAC Rates
R-R	Winter - 2nd Block	\$ per kWh	-			-
	All Other Blocks	\$ per kWh	0.0256393			0.0272515
	Storage Water Htg	\$ per kWh	0.0118052			0.0123349
R-R-1	Winter - 3rd Block	\$ per kWh	-			-
	All Other Blocks	\$ per kWh	0.0194536			0.0206769
	Storage Water Htg	\$ per kWh	0.0118052			0.0123349
RLM	Summer - 1st Block	\$ per kWh	0.0219411			0.0233208
	- 2nd Block	\$ per kWh	0.0208428			0.0221534
	- 3rd Block	\$ per kWh	0.0195022			0.0207265
	Winter - 1st Block	\$ per kWh	0.0219411			0.0233208
	- 2nd Block	\$ per kWh	0.0118739			0.0126205
	- 3rd Block	\$ per kWh	0.0138864			0.0147586
	Storage Water Htg	\$ per kWh	0.0118052			0.0123349
RS-ES/RS-TOD	On-Peak	\$ per kWh	0.0338274			0.0359545
	Off-Peak	\$ per kWh	0.0118052			0.0123349
	LM&C Credit	\$ per kWh	(0.0071206)			(0.0075663)
GS-1 Non-Metered	Non-Metered Energy	\$ per kWh	0.023252			0.0247143
GS-1	Metered - 1st Block	\$ per kWh	0.052843			0.0561663
	Metered - 2nd Block	\$ per kWh	0.023584			0.0250670
GS-2-Sec	Energy	\$ per kWh	0.041618			0.0442346
	Maximum Energy	\$ per kWh	0.043483			0.0462172
	Off-Peak Excess Demand	\$ per kW	0.340			0.361
GS-2-Pri	Energy	\$ per kWh	0.040884			0.0434545
	Maximum Energy	\$ per kWh	0.065858			0.0699990
	Off-Peak Excess Demand	\$ per kW	0.330			0.351
GS-2-Breakdown Service	Maximum Demand	\$ per kW	1.975			2.099
GS-3-Sec	Energy	\$ per kWh	-			-
	Maximum Energy	\$ per kWh	0.023585			0.0250681
	Demand	\$ per kW	9.398			9.989
	Off-Peak Excess Demand	\$ per kW	1.224			1.301
GS-3-Pri	Energy	\$ per kWh	0.000068			0.0000721
	Maximum Energy	\$ per kWh	0.043858			0.0464009
	Demand	\$ per kW	8.090			8.662
	Off-Peak Excess Demand	\$ per kW	1.185			1.260
GS-3-Breakdown Service	Maximum Demand	\$ per kW	1.975			2.099
GS-4	Energy	\$ per kWh	-			-
	Demand - First 3,000 KVA	\$ per KVA	9.437			10.030
	- Over 3,000 KVA	\$ per KVA	3.984			4.235
	Off-Peak Excess Demand	\$ per KVA	1.420			1.509
IRP-D-Sec	Energy	\$ per kWh	-			-
	Demand	\$ per KVA	2.863			3.043
IRP-D-Pri	Off-Peak Excess Demand	\$ per KVA	4.437			4.716

Rate Code	Class/Description	Units	Adjusted 2008 Non-FAC Rates	X	6.28804%	=	2010 Non-FAC Rates
	Energy	\$ per kWh	-				
	Demand	\$ per kVA	2.770				2.944
	Off-Peak Excess Demand	\$ per kVA	3.362				3.563
IRP-D-Sub	Energy	\$ per kWh	-				
	Demand	\$ per kVA	2.730				2.902
	Off-Peak Excess Demand	\$ per kVA	1.420				1.508
IRP-D-Tran	Energy	\$ per kWh	-				
	Demand	\$ per kVA	2.684				2.853
	Off-Peak Excess Demand	\$ per kVA	1.420				1.509
SBS-Sec-Backup Service	Energy	\$ per kWh	-				
	Backup Demand - Level A	\$ per kW	0.996				1.069
	- Level B	\$ per kW	1.693				1.799
	- Level C	\$ per kW	2.388				2.538
	- Level D	\$ per kW	3.083				3.277
	- Level E	\$ per kW	3.781				4.019
	- Level F	\$ per kW	4.475				4.756
SBS-Pri-Backup Service	Energy	\$ per kWh	-				
	Backup Demand - Level A	\$ per kW	0.964				1.025
	- Level B	\$ per kW	1.638				1.741
	- Level C	\$ per kW	2.310				2.455
	- Level D	\$ per kW	2.983				3.171
	- Level E	\$ per kW	3.655				3.885
	- Level F	\$ per kW	4.327				4.599
SBS-Sub/Tran-Backup Service	Energy	\$ per kWh	-				
	Backup Demand - Level A	\$ per kW	0.820				0.872
	- Level B	\$ per kW	1.476				1.569
	- Level C	\$ per kW	2.133				2.267
	- Level D	\$ per kW	2.791				2.966
	- Level E	\$ per kW	3.447				3.664
	- Level F	\$ per kW	4.103				4.361
SBS-Less Than 100 kW	Backup Demand	\$ per kW	2.029				2.157
SBS-Sec	Maintenance Energy	\$ per kWh	0.0027324				0.0029042
SBS-Pri	Maintenance Energy	\$ per kWh	0.0026349				0.0028006
SBS-Sub/Tran	Maintenance Energy	\$ per kWh	0.0024306				0.0025836
GS-1-LM-TOD	On-Peak	\$ per kWh	0.1008942				0.1072385
	Off-Peak	\$ per kWh	0.0028370				0.0030154
GS-2-TOD/LM-TOD	On-Peak	\$ per kWh	0.0732314				0.0778362
	Off-Peak	\$ per kWh	0.0002502				0.0002659
GS-3-LM-TOD	On-Peak	\$ per kWh	0.0454359				0.0482929
	Off-Peak	\$ per kWh	-				
AL							
HPS	100 Watt Std	\$/lamp-mth	0.93				0.99
	150 Watt Std	\$/lamp-mth	1.24				1.32
	200 Watt Std	\$/lamp-mth	1.89				2.01
	250 Watt Std	\$/lamp-mth	2.08				2.21
	400 Watt Std	\$/lamp-mth	2.13				2.26
	100 W Post Top	\$/lamp-mth	1.99				2.12
	150 W Post Top	\$/lamp-mth	2.41				2.56
	100 Watt Cutoff	\$/lamp-mth	0.84				1.00
	250 Watt Cutoff	\$/lamp-mth	3.25				3.45
	400 Watt Cutoff	\$/lamp-mth	0.96				1.02
Mercury Vapor	100 Watt Std	\$/lamp-mth	0.40				0.43
	175 Watt Std	\$/lamp-mth	-				-
	400 Watt Std	\$/lamp-mth	0.40				0.43
	175 W Post Top	\$/lamp-mth	-				-
Floodlights							
HPS	100 Watt	\$/lamp-mth	1.07				1.14
	250 Watt	\$/lamp-mth	3.72				3.95
	400 Watt	\$/lamp-mth	5.90				6.27
	1000 Watt	\$/lamp-mth	27.31				29.03
Metal Halide	250 Watt	\$/lamp-mth	3.55				3.77
	400 Watt	\$/lamp-mth	5.37				5.71
	1000 Watt	\$/lamp-mth	27.31				29.03

Ohio Power Company 2010  
Enhanced Service Reliability Rider

	<u>2010</u>
Approved Revenue Requirement for Enhanced Service Reliability Rider	\$ 17,326,270 *
Annual Distribution Revenue	<u>\$ 315,126,553</u>
OPCo Enhanced Service Reliability Rider Rate	5.49819%

\* Same as 2009



# Ohio Power Company 2010 Non-FAC Generation Adjustment Factor

2001-2008 Approved Environmental Carry Charges	2010 \$ 84,000,000
Annual Non-FAC Revenue	\$ 498,313,473
Non-FAC Generation Adjustment Factor	16.85686%

Rate Code	Class/Description	Units	Adjusted 2008 Non-FAC Rates	X	16.85686%	=	2010 Non-FAC Rates
RS	0-800 kWh	\$ per kWh	0.0223414				0.0261075
	All Add'l kWh	\$ per kWh	0.0185079				0.0216278
	Stor. Water Htg.	\$ per kWh	0.0097413				0.0113834
RS-TOD	On-Peak	\$ per kWh	0.0363609				0.0413216
	Off-Peak	\$ per kWh	0.0097413				0.0113834
RS-ES	On-Peak	\$ per kWh	0.0363609				0.0413216
	Off-Peak	\$ per kWh	0.0097413				0.0113834
	LM&C Credit	\$ per kWh	(0.0132711)				(0.0155062)
RDMS	Block 1	\$ per kWh	0.0161882				0.0188170
	Block 2	\$ per kWh	0.0202264				0.0236359
	Block 3	\$ per kWh	0.0150630				0.0176021
	Block 4	\$ per kWh	0.0046864				0.0053584
GS-1-Sec Unmetered	Energy - Unmetered	\$ per kWh	0.0292465				0.0341765
GS-1-ES	On-Peak	\$ per kWh	0.0477699				0.0558107
	Off-Peak	\$ per kWh	0.0104259				0.0121834
GS-1-Sec	Energy	\$ per kWh	0.0292465				0.0341765
GS-2-RL	Energy	\$ per kWh	0.0251934				0.0294402
GS-2-Sec	Energy	\$ per kWh	0.0263364				0.0307759
	Maximum Energy	\$ per kWh	0.0629349				0.0735437
	Off-Peak Excess Demand	\$ per kW	2.51				2.93
GS-2-Pri	Energy	\$ per kWh	0.0259828				0.0303627
	Maximum Energy	\$ per kWh	0.0826596				0.0965834
	Off-Peak Excess Demand	\$ per kW	1.81				2.12
GS-2-Sub	Energy	\$ per kWh	0.0257529				0.0300940
	Maximum Energy	\$ per kWh	0.0930059				0.1086838
	Off-Peak Excess Demand	\$ per kW	1.41				1.65
GS-2-Tran	Energy	\$ per kWh	0.0253955				0.0296784
	Maximum Energy	\$ per kWh	0.1054786				0.1232565
	Off-Peak Excess Demand	\$ per kW	0.74				0.86
GS-3-Sec	Energy	\$ per kWh	0.0011248				0.0013144
	Maximum Energy	\$ per kWh	0.0311808				0.0364861
	Demand	\$ per kW	7.94				9.26
	Off-Peak Excess Demand	\$ per kW	2.51				2.93
GS-3-Pri	Energy	\$ per kWh	0.0016370				0.0019129
	Maximum Energy	\$ per kWh	0.0926533				0.1081549
	Demand	\$ per kW	7.68				8.97
	Off-Peak Excess Demand	\$ per kW	1.81				2.12
GS-3-Sub	Energy	\$ per kWh	0.0019311				0.0022566

Code	Description	Units	Non-FAC Rates	X	16.85686%	=	Non-FAC Rates
	Maximum Energy	\$ per kWh	0.0981626				0.1147087
	Demand	\$ per kW	7.46				8.72
	Off-Peak Excess Demand	\$ per kW	1.41				1.65
GS-3-Tran	Energy	\$ per kWh	0.0018593				0.0021727
	Maximum Energy	\$ per kWh	0.1048643				0.1225411
	Demand	\$ per kW	7.33				8.57
	Off-Peak Excess Demand	\$ per kW	0.74				0.86
GS-4-Pri	Energy	\$ per kWh	0.0000781				0.0000913
	Demand	\$ per kW	9.39				9.80
	Off-Peak Excess Demand	\$ per kW	5.00				5.84
GS-4-Sub	Energy	\$ per kWh	0.0004415				0.0005159
	Demand	\$ per kW	8.17				9.55
	Off-Peak Excess Demand	\$ per kW	1.80				2.10
GS-4-Tran	Energy	\$ per kWh	0.0004062				0.0004747
	Demand	\$ per kW	8.03				9.38
	Off-Peak Excess Demand	\$ per kW	0.91				1.06
EHG	Energy	\$ per kWh	0.0127822				0.0149369
	Demand	\$ per kW	1.65				1.93
SS	Block 1	\$ per kWh	0.0215705				0.0252086
	Block 2	\$ per kWh	0.0208887				0.0241762
IRP-D-Sec	Demand	\$ per kW	5.66				6.61
	Off-Peak Excess Demand	\$ per kW	6.66				7.67
IRP-D-Pri	Energy	\$ per kWh	0.0000781				0.0000913
	Demand	\$ per kW	5.48				6.38
	Off-Peak Excess Demand	\$ per kW	5.00				5.84
IRP-D-Sub	Energy	\$ per kWh	0.0004415				0.0005159
	Demand	\$ per kW	5.04				5.89
	Off-Peak Excess Demand	\$ per kW	1.80				2.10
IRP-D-Tran	Energy	\$ per kWh	0.0004062				0.0004747
	Demand	\$ per kW	4.89				5.71
	Off-Peak Excess Demand	\$ per kW	0.91				1.06
SBS-Backup-Sec	Backup Energy	\$ per kWh	0.0022187				0.0025927
	Level A Backup Demand	\$ per kW	0.18				0.21
	Level B Backup Demand	\$ per kW	0.64				0.75
	Level C Backup Demand	\$ per kW	1.14				1.33
	Level D Backup Demand	\$ per kW	1.60				1.87
	Level E Backup Demand	\$ per kW	2.07				2.42
	Level F Backup Demand	\$ per kW	2.54				2.97
SBS-Backup-Pri	Backup Energy	\$ per kWh	0.0026311				0.0030746
	Level A Backup Demand	\$ per kW	0.18				0.21
	Level B Backup Demand	\$ per kW	0.64				0.75
	Level C Backup Demand	\$ per kW	1.09				1.27
	Level D Backup Demand	\$ per kW	1.56				1.82
	Level E Backup Demand	\$ per kW	2.01				2.36
	Level F Backup Demand	\$ per kW	2.46				2.87
SBS-Backup-Sub	Backup Energy	\$ per kWh	0.0029004				0.0033893
	Level A Backup Demand	\$ per kW	0.16				0.19
	Level B Backup Demand	\$ per kW	0.61				0.71
	Level C Backup Demand	\$ per kW	1.06				1.24
	Level D Backup Demand	\$ per kW	1.49				1.74
	Level E Backup Demand	\$ per kW	1.95				2.26
	Level F Backup Demand	\$ per kW	2.38				2.78
SBS-Backup-Tran	Backup Energy	\$ per kWh	0.0026064				0.0032795
	Level A Backup Demand	\$ per kW	0.27				0.32
	Level B Backup Demand	\$ per kW	0.67				0.78
	Level C Backup Demand	\$ per kW	1.05				1.23
	Level D Backup Demand	\$ per kW	1.45				1.69
	Level E Backup Demand	\$ per kW	1.84				2.15

Code	Description	Units	Non-FAC Rates	X	16.85686%	=	Non-FAC Rates
SBS-Less Than 100 kW	Level F Backup Demand	\$ per kW	2.23				2.81
	Demand	\$ per kW	0.57				0.67
SBS-Maintenance-Sec	Maintenance Energy	\$ per kWh	0.0040295				0.0047089
SBS-Maintenance-Pri	Maintenance Energy	\$ per kWh	0.0043951				0.0051360
SBS-Maintenance-Sub	Maintenance Energy	\$ per kWh	0.0045938				0.0053682
SBS-Maintenance-Tran	Maintenance Energy	\$ per kWh	0.0044880				0.0052445
GS-T00	On-Peak	\$ per kWh	0.0301380				0.0352183
	Off-Peak	\$ per kWh	0.0103814				0.0121314
GS-2-ES	On-Peak	\$ per kWh	0.0301380				0.0352183
	Off-Peak	\$ per kWh	0.0103814				0.0121314
GS-3-ES	On-Peak	\$ per kWh	0.0307810				0.0359897
	Off-Peak	\$ per kWh	0.0110244				0.0128828
<b>OL</b>							
HPS	9,000 L	\$/lamp-mth	2.61				3.05
	22,000 L	\$/lamp-mth	3.84				4.48
	22,000 L Flood	\$/lamp-mth	5.37				6.28
	60,000 L Flood	\$/lamp-mth	5.57				6.61
	9,000 L Post Top	\$/lamp-mth	4.32				5.05
Mercury Vapor	7,000 L	\$/lamp-mth	3.40				3.97
	20,000 L	\$/lamp-mth	5.72				6.68
	20,000 L Flood	\$/lamp-mth	6.43				7.51
	60,000 L Flood	\$/lamp-mth	10.86				12.81
	7,000 L Post Top	\$/lamp-mth	0.88				1.04
Metal Halide	17,000 L	\$/lamp-mth	2.65				3.10
	29,000 L	\$/lamp-mth	3.20				3.74
<b>SL</b>							
Standard Wood Pole							
Mercury Vapor	7000 Lumen	\$/lamp-mth	0.71				0.83
	11000 Lumen	\$/lamp-mth	1.06				1.24
	20000 Lumen	\$/lamp-mth	1.17				1.37
	50000 Lumen	\$/lamp-mth	0.55				0.64
	9000 Lumen	\$/lamp-mth	2.13				2.49
H.P.S.	16000 Lumen	\$/lamp-mth	2.65				3.10
	22000 Lumen	\$/lamp-mth	3.16				3.69
	50000 Lumen	\$/lamp-mth	4.46				5.25
	9000 Lumen	\$/lamp-mth	1.06				1.24
New H.P.S.	16000 Lumen	\$/lamp-mth	3.08				3.58
	22000 Lumen	\$/lamp-mth	3.48				4.07
	50000 Lumen	\$/lamp-mth	6.96				8.13
Standard Metal Pole							
Mercury Vapor	7000 Lumen	\$/lamp-mth	0.00				0.00
	11000 Lumen	\$/lamp-mth	0.00				0.00
	20000 Lumen	\$/lamp-mth	0.00				0.00
	50000 Lumen	\$/lamp-mth	0.00				0.00
	9000 Lumen	\$/lamp-mth	4.43				5.18
H.P.S.	16000 Lumen	\$/lamp-mth	4.84				5.77
	22000 Lumen	\$/lamp-mth	5.44				6.36
	50000 Lumen	\$/lamp-mth	6.78				7.90
	9000 Lumen	\$/lamp-mth	12.54				14.85
New H.P.S.	16000 Lumen	\$/lamp-mth	13.17				15.39
	22000 Lumen	\$/lamp-mth	13.68				16.00
	50000 Lumen	\$/lamp-mth	15.08				17.62
Multiple Lamps Metal Pole							
Mercury Vapor	20000 Lumen	\$/lamp-mth	0.32				0.37
	9000 Lumen	\$/lamp-mth	3.27				3.82
	16000 Lumen	\$/lamp-mth	3.79				4.43
	22000 Lumen	\$/lamp-mth	4.27				4.99
	50000 Lumen	\$/lamp-mth	5.61				6.56
New H.P.S.	9000 Lumen	\$/lamp-mth	7.47				8.73
	16000 Lumen	\$/lamp-mth	8.01				9.36
	22000 Lumen	\$/lamp-mth	8.52				9.96
	50000 Lumen	\$/lamp-mth	9.92				11.59
Post Top							
Mercury Vapor	7000 Lumen	\$/lamp-mth	0.00				0.00
	9000 Lumen	\$/lamp-mth	3.80				4.44
	New H.P.S.	\$/lamp-mth	5.29				6.18

<u>Code</u>	<u>Description</u>	<u>Units</u>	<u>Non-FAC Rates</u>	<u>X</u>	<u>18.85686%</u>	<u>=</u>	<u>Non-FAC Rates</u>
SL Energy Only	Energy	\$ per kWh	0.0132723				0.0156098

COLUMBUS SOUTHERN POWER COMPANY

## P.U.C.O. NO. 7

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P.U.C.O. NO. 7

**SCHEDULE R-R**  
**(Residential Service)**Availability of Service

Available for residential electric service through one meter to individual residential customers, including those on lines subject to the Rural Line Extension Plan.

Monthly Rate (Schedule Code 013)

	Generation	Distribution	Total
Customer Charge (\$)	--	4.52	4.52
Energy Charge (¢ per KWH):			
Winter:			
For the first 800 KWH used per month	2.76858	2.98899	5.75757
For all KWH over 800 KWH used per month	--	0.57028	0.57028
Summer:			
For the first 800 KWH used per month	2.76858	2.98899	5.75757
For all KWH over 800 KWH used per month	2.76858	2.98899	5.75757

Seasonal Periods

The winter period shall be the billing months of October through May and the summer period shall be the billing months of June through September.

Minimum Charge

- (a) The minimum monthly charge for service on lines not subject to the Rural Line Extension Plan shall be the Customer Charge.
- (b) The minimum monthly charge for electric service supplied from lines subject to the Rural Line Extension Plan shall, for the initial contract period of four years, be the amount provided in the "Definitions, Rules and Regulations for Rural Line Extension Plan," but in no event shall be less than the Customer Charge.

Storage Water Heating Provision

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

If the customer installs a Company approved storage water heating system which consumes electrical energy only during off-peak hours as specified by the Company and stores hot water for use during on-peak hours, the following shall apply:

- (a) For minimum capacity of 80 gallons, the last 300 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 016)

(Continued on Sheet No. 10-2)

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SCHEDULE R-R  
(Residential Service)Storage Water Heating Provision (Cont'd)

- (b) For minimum capacity of 100 gallons, the last 400 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 017)
- (c) For minimum capacity of 120 gallons or greater, the last 500 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 018)

	Generation	Distribution	Total
Storage Water Heating Energy Charge (¢ per KWH)	1.25315	0.03805	1.29120

These provisions, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above.

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 storage water heating system and devices which qualify the residence for service under the storage water heater 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 schedule are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the Customer Charge as stated in the above monthly rate.

Load Management Water Heating Provision (Schedule Code 011)

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

For residential customers who install a Company-approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at the Load Management Water Heating Energy Charge.

	Generation	Distribution	Total
Load Management Water Heating Energy Charge (¢ per KWH)	1.25315	0.03805	1.29120

(Continued on Sheet No. 10-3)

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P.U.C.O. NO. 7

**SCHEDULE R-R-1**  
(Residential Small Use Load Management Service)Availability of Service

Available for residential electric service through one meter to individual residential customers who normally do not use more than 600 KWH per month during the summer period, including those on lines subject to the Rural Line Extension Plan. Any new customer or an existing customer who changes service location will be billed under Schedule R-R until the first billing month during the summer period.

Monthly Rate (Schedule Code 014)

	Generation	Distribution	Total
Customer Charge (\$)	--	4.52	4.52
Energy Charge (¢ per KWH):			
Winter:			
For the first 700 KWH used per month	2.10063	2.74267	4.84330
For the next 100 KWH used per month	2.10063	2.74267	4.84330
For all KWH used over 800 KWH used per Month	--	0.57028	0.57028
Summer			
For the first 700 KWH used per month	2.10063	2.74267	4.84330

In any summer billing month if usage exceeds 700 KWH, billing will be rendered that month under Schedule R-R and thereafter for all subsequent months through the four months of the next summer period.

Seasonal Periods

The winter period shall be the billing months of October through May and the summer period shall be the billing months of June through September.

Minimum Charge

- (a) The minimum monthly charge for service on lines not subject to the Rural Line Extension Plan shall be the Customer Charge.
- (b) The minimum monthly charge for electric service supplied from lines subject to the Rural Line Extension Plan shall, for the initial contract period of four years, be the amount provided in the "Definitions, Rules and Regulations for Rural Line Extension Plan," but in no event shall be less than the Customer Charge.

(Continued on Sheet No. 11-2)

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## P.U.C.O. NO. 7

SCHEDULE R-R-1  
(Residential Small Use Load Management Service)Storage Water Heating Provision

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

If the customer installs a Company approved storage water heating system which consumes electrical energy only during off-peak hours as specified by the Company and stores hot water for use during on-peak hours, the following shall apply:

- (a) For minimum capacity of 80 gallons, the last 300 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 020)
- (b) For minimum capacity of 100 gallons, the last 400 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 021)
- (c) For minimum capacity of 120 gallons or greater, the last 500 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 022)

	Generation	Distribution	Total
Storage Water Heating Energy Charge (¢ per KWH)	1.25315	0.03805	1.29120

These provisions, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above. In addition, the KWH billed under this provision shall not apply to the 700 KWH eligibility requirement for service under this schedule.

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 storage water heating system and devices which qualify the residence for service under the storage water heater 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 schedule are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the Customer Charge as stated in the above monthly rate.

Load Management Water Heating Provision (Schedule Code 028)

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

(Continued on Sheet No. 11-3)

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SCHEDULE R-R-1  
(Residential Small Use Load Management Service)Load Management Water Heating Provision (Cont'd)

For residential customers who install a Company-approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at the Load Management Water Heating Energy Charge.

	Generation	Distribution	Total
Load Management Water Heating Energy Charge (¢ per KWH)	1.25315	0.03805	1.29120

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above. In addition, the KWH billed under this provision shall not apply to the 700 KWH eligibility requirement for service under this schedule.

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 load management storage water heating system and devices which qualify the residence for service under the Load Management Water Heating 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 standard monthly rate.

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:

(Continued on Sheet No. 11-4)

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## P.U.C.O. NO. 7

SCHEDULE RLM  
(Residential Optional Demand Service)Availability of Service

Available for optional residential electric service through one meter to individual residential customers including those on lines subject to the Rural Line Extension Plan. This schedule provides an incentive for customers to minimize peak demand usage imposed on the Company and requires the installation of demand metering facilities.

Monthly Rate (Schedule Code 019)

	Generation	Distribution	Total
Customer Charge (\$)	--	7.13	7.13
Energy Charge (\$ per KWH):			
Winter:			
For the first 750 KWH used per month	2.36924	3.20795	5.57719
For the next 150 KWH per KW in excess of 5 KW Billing Demand used per month	1.28216	1.11224	2.39440
For all addition KWH used per month	1.49948	0.03805	1.53753
Summer:			
For the first 750 KWH used per month	2.36924	3.20795	5.57719
For the next 150 KWH per KW in excess of 5 KW Billing Demand used per month	2.25064	2.97931	5.22995
For all addition KWH used per month	2.10588	0.03805	2.14393

Seasonal Periods

The winter period shall be the billing months of October through May and the summer period shall be the billing months of June through September.

Minimum Charge

- (a) The minimum monthly charge for service on lines not subject to the Rural Line Extension Plan shall be the Customer Charge.
- (b) The minimum monthly charge for electric service supplied from lines subject to the Rural Line Extension Plan shall, for the initial contract period of four years, be the amount provided in the "Definitions, Rules and Regulations for Rural Line Extension Plan," but in no event shall be less than the Customer Charge.

Storage Water Heating Provision

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

(Continued on Sheet No. 12-2)

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## P.U.C.O. NO. 7

SCHEDULE RLM  
(Residential Optional Demand Service)Storage Water Heating Provision

If the customer installs a Company approved storage water heating system which consumes electrical energy only during off-peak hours as specified by the Company and stores hot water for use during on-peak hours, the following shall apply:

- (a) For minimum capacity of 80 gallons, the last 300 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 024)
- (b) For minimum capacity of 100 gallons, the last 400 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 025)
- (c) For minimum capacity of 120 gallons or greater, the last 500 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 026)

	Generation	Distribution	Total
Storage Water Heating Energy Charge (¢ per KWH)	1.25315	0.03805	1.29120

These provisions, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above.

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 storage water heating system and devices which qualify the residence for service under the storage water heater 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 schedule are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the Customer Charge as stated in the above monthly rate.

Load Management Water Heating Provision (Schedule Code 027)

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

(Continued on Sheet No. 12-3)

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SCHEDULE RLM  
(Residential Optional Demand Service)Load Management Water Heating Provision (Cont'd)

For residential customers who install a Company-approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at the Load Management Water Heating Energy Charge.

	Generation	Distribution	Total
Load Management Water Heating Energy Charge (\$ per KWH)	1.25315	0.03805	1.29120

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above.

For the purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 load management storage water heating system and devices which qualify the residence for service under the Load Management Water Heating 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 schedule are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

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:

(Continued on Sheet No. 12-4)

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**SCHEDULE RS-ES**  
**(Residential Energy Storage)**Availability of Service

Available for residential 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 equipment 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.

Households eligible to be served under this schedule shall be metered through one single-phase multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods.

Monthly Rate (Schedule Code 032)

	Generation	Distribution	Total
Customer Charge (\$)	--	7.13	7.13
Energy Charge (\$ per KWH):			
For all KWH used during the on-peak billing period	3.65274	5.68236	9.33510
For all KWH used during the off-peak billing period	1.25315	0.03805	1.29120

On-Peak and Off-Peak Hours

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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

- (a) The minimum monthly charge for service on lines not subject to the Rural Line Extension Plan shall be the Customer Charge.
- (b) The minimum monthly charge for electric service supplied from lines subject to the Rural Line Extension Plan shall, for the initial contract period of four years, be the amount provided in the "Definitions, Rules and Regulations for Rural Line Extension Plan," but in no event shall be less than the Customer Charge.

(Continued on Sheet No. 13-2)

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SCHEDULE RS-ES  
(Residential Energy Storage)Conservation and Load Management Credits

For the combination of an approved electric thermal storage space heating and/or cooling system and water heater, all of which are designed to consume electrical energy only during the off-peak period as previously described in this schedule, each residence will be credited the Conservation and Load Management Energy Credit for all KWH used during the off-peak billing period, for a total of 60 monthly billing periods following the installation and use of these devices in such residence.

	Generation	Distribution	Total
Conservation and Load Management Energy Credit (\$ per KWH)	0.76889	--	0.76889

Separate Metering Provision

Customers shall have the option of receiving service under Schedule R-R or Schedule R-R-1 for their general-use load by separately wiring this equipment to a standard residential meter.

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:

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
Monongahela Power Litigation Termination Rider	73-1
Power Acquisition Rider	74-1
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
gridSMART Rider	84-1

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SCHEDULE RS-TOD  
(Residential Time-of-Day Service)Availability of Service

Available for residential electric service through one single-phase, multi-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods to individual residential customers. Availability is limited to the first 500 customers applying for service under this schedule.

Monthly Rate (Schedule Code 030)

	Generation	Distribution	Total
Customer Charge (\$)	--	7.13	7.13
Energy Charge (\$ per KWH):			
For all KWH used during the on-peak billing period	3.65274	5.68236	9.33510
For all KWH used during the off-peak billing period	1.25315	0.03805	1.29120

On-Peak and Off-Peak Hours

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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

- (a) The minimum monthly charge for service on lines not subject to the Rural Line Extension Plan shall be the Customer Charge.
- (b) The minimum monthly charge for electric service supplied from lines subject to the Rural Line Extension Plan shall, for the initial contract period of four years, be the amount provided in the "Definitions, Rules and Regulations for Rural Line Extension Plan," but in no event shall be less than the Customer Charge.

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:

(Continued on Sheet No. 14-2)

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SCHEDULE GS-1  
(General Service - Small)Availability of Service

Available for general service to customers with maximum demands less than 10 KW (excluding the demand served by the Load Management Time-of-Day provision).

Monthly Rate (Schedule Codes 202, 206)

	Generation	Distribution	Total
Customer Charge (\$)	--	6.47	6.47
Energy Charge (¢ per KWH):			
For the first 1,000 KWH used per month	5.70603	1.47707	7.18310
For all KWH over 1,000 KWH used per month	2.54664	1.47707	4.02371

Minimum Charge

The minimum monthly charge shall be the Customer Charge.

Delayed Payment Charge

The above schedule is net if full payment is received by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed will be made. Federal, state, county, township and municipal governments and public school systems not served under special contract are subject to the Public Authority Delayed Payment provision, Supplement No. 21.

Applicable Riders

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

(Continued on Sheet No. 20-2)

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SCHEDULE GS-1  
(General Service - Small)Load Management Time-of-Day Provision (Cont'd)

Customers who desire to separately wire their load management load to a time-of-day meter and their general-use load to a standard meter shall receive service for both under the appropriate provisions of this schedule.

Monthly Rate (Schedule Codes 224, 226)

	Generation	Distribution	Total
Load Management Customer Charge (\$)	--	14.41	14.41
Load Management Energy Charge (¢ per KWH):			
For all KWH used during the on-peak billing period	10.89473	3.45859	14.35332
For all KWH used during the off-peak billing period	0.30634	0.03805	0.34439

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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.

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.

(Continued on Sheet No. 20-4)

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SCHEDULE GS-1  
(General Service - Small)Optional Unmetered Service Provision (Cont'd)

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 Codes 077, 078, 204, 214, 732)

	Generation	Distribution	Total
Unmetered Service Customer Charge (\$)	--	3.90	3.90
Unmetered Service Energy Charge (¢ per KWH)	2.51081	1.47707	3.98788

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

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SCHEDULE GS-2  
(General Service - Low Load Factor)Availability of Service

Available for general service to customers with maximum demands of 10 KW or greater (excluding the demand served by the Load Management Time-of-Day provision).

Monthly Rate

Schedule Codes		Generation	Distribution	Total
203,207, 208,209	<b>Secondary Voltage:</b>			
	Customer Charge (\$)	--	9.04	9.04
	Demand Charge (\$ per KW)	--	3.519	3.519
	Off-Peak Excess Demand Charge (\$ per KW)	0.367	--	0.367
	Energy Charge (¢ per KWH)	4.49395	0.03805	4.53200
	Maximum Energy Charge (¢ per KWH)	4.69537	7.07515	11.77052
217,218, 219	<b>Primary Voltage:</b>			
	Customer Charge (\$)	--	115.29	115.29
	Demand Charge (\$ per KW)	--	2.588	2.588
	Off-Peak Excess Demand Charge (\$ per KW)	0.356	--	0.356
	Energy Charge (¢ per KWH)	4.41469	0.03805	4.45274
	Maximum Energy Charge (¢ per KWH)	7.11144	5.21457	12.32601

Minimum and Maximum Charges

Bills computed under the above rate are subject to the operation of minimum and maximum charge provisions as follows:

- (a) Minimum Charge - For demand accounts up to 100 KW - the Customer Charge.
- For demand accounts over 100 KW - the sum of the Customer Charge, the product of the demand charge and the minimum 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 specified in the Minimum Charge provision above, (a).

(Continued on Sheet No. 21-2)

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**SCHEDULE GS-2**  
**(General Service - Low Load Factor)**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 to fulfill the terms and conditions of service and/or in order to protect the Company's ability to recover its investment of costs over a reasonable period of time.

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.

Customers with cogeneration and/or small power production facilities shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company.

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

	Generation	Distribution	Total
Breakdown Service Minimum Demand Charge (\$ per KW)	2.133	3.575	5.708

Load Management Time-of-Day 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.

(Continued on Sheet No. 21-5)

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SCHEDULE GS-2  
(General Service - Low Load Factor)Load Management Time-of-Day Provision (Cont'd)

Customers who desire to separately wire their load management load to a time-of-day meter and their general-use load to a standard meter shall receive service for both under the appropriate provisions of this schedule.

The customer shall be responsible for all local facilities required to take service under this provision.

Monthly Rate (Schedule Codes 220, 222)

	Generation	Distribution	Total
Load Management Customer Charge (\$)	--	28.63	28.63
Load Management Energy Charge (\$ per KWH):			
For all KWH used during the on-peak Billing period	7.90766	2.83254	10.74020
For all KWH used during the off-peak Billing period	0.02702	0.03805	0.06507

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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.

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SCHEDULE GS-2-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 Codes 228, 230)

	Generation	Distribution	Total
Customer Charge (\$)	--	28.63	28.63
Energy Charge (¢ per KWH):			
For all KWH used during the on-peak billing period	7.90766	2.83254	10.74020
For all KWH used during the off-peak billing period	0.02702	0.03805	0.06507

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 charge shall be the Customer Charge.

Delayed Payment Charge

The above schedule is net if full payment is received by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed will be made. Federal, state, county, township and municipal governments and public school systems not served under special contract are subject to the Public Authority Delayed Payment provision, Supplement No. 21.

Applicable Riders

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

(Continued on Sheet No. 22-2)

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SCHEDULE GS-3  
(General Service - Medium Load Factor)Availability of Service

Available for general service to customers with maximum demands greater than 50 KW (excluding the demand served by the Load Management Time-of-Day provision).

Monthly Rate

Schedule Codes		Generation	Distribution	Total
240, 241, 242	<b>Secondary Voltage:</b>			
	Customer Charge (\$)	--	119.04	119.04
	Demand Charge (\$ per KW)	10.148	3.291	13.439
	Off-Peak Excess Demand Charge (\$ per KW)	1.322	--	1.322
	Excess KVA Charge (\$ per KVA)	--	0.863	0.863
	Energy Charge (¢ per KWH)	--	0.03805	0.03805
	Maximum Energy Charge (¢ per KWH)	2.54676	6.62047	9.16723
201, 205, 210	<b>Primary Voltage:</b>			
	Customer Charge (\$)	--	265.29	265.29
	Demand Charge (\$ per KW)	9.816	2.498	12.314
	Off-Peak Excess Demand Charge (\$ per KW)	1.280	--	1.280
	Excess KVA Charge (\$ per KVA)	--	0.835	0.835
	Energy Charge (¢ per KWH)	0.00732	0.03805	0.04537
	Maximum Energy Charge (¢ per KWH)	4.71403	5.03384	9.74787

Minimum and Maximum Charges

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 minimum 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).

(Continued on Sheet No. 23-2)

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SCHEDULE GS-3  
(General Service - Medium Load Factor)Special Terms and Conditions (Cont'd)

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

	Generation	Distribution	Total
Breakdown Service Minimum Demand Charge (\$ per KW)	2.133	3.575	5.708

Load Management Time-of-Day 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 load management load to a time-of-day meter and their general-use load to a standard meter shall receive service for both under the appropriate provisions of this schedule.

The customer shall be responsible for all local facilities required to take service under this provision.

Monthly Rate (Schedule Codes 250, 252)

	Generation	Distribution	Total
Load Management Customer Charge (\$)	--	108.77	108.77
Load Management Energy Charge (¢ per KWH):			
For all KWH used during the on-peak billing period	4.90625	1.63032	6.53657
For all KWH used during the off-peak billing period	--	0.03805	0.03805

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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.

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

Available for general service customers using the Company's standard subtransmission or transmission service with maximum demands in excess of 1,000 KVA.

Monthly Rate (Schedule Codes 311, 312)

	Generation	Distribution	Total
Customer Charge (\$)	--	713.41	713.41
Demand Charge (\$ per KVA):			
First 3,000 KVA	10.190	0.665	10.855
Over 3,000 KVA	4.302	0.665	4.967
Off-Peak Excess Demand Charge (\$ per KVA)	1.533	--	1.533
Energy Charge (¢ per KWH)	--	0.03805	0.03805

Minimum Charge

The minimum charge shall be equal to the sum of the Customer Charge, Demand Charges, and all applicable riders.

Delayed Payment Charge

The above schedule is net if full payment is received by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed will be made.

Applicable Riders

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

(Continued on Sheet No. 24-2)

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

For customers with KVA demands, Supplemental Energy and Noncompliance Energy shall be multiplied by the customer's average monthly power factor.

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

Schedule Codes		Generation	Distribution	Total
336	<b>Secondary Voltage:</b>			
	Customer Charge (\$)	—	713.41	713.41
	Demand Charge (\$ per KVA)	3.092	3.873	6.965
	Off-Peak Excess Demand Charge (\$ per KVA)	4.791	--	4.791
	Energy Charge (\$ per KWH)	—	0.03805	0.03805
337	<b>Primary Voltage:</b>			
	Customer Charge (\$)	—	713.41	713.41
	Demand Charge (\$ per KVA)	2.991	2.925	5.916
	Off-Peak Excess Demand Charge (\$ per KVA)	3.620	--	3.620
	Energy Charge (\$ per KWH)	—	0.03805	0.03805
338	<b>Subtransmission Voltage:</b>			
	Customer Charge (\$)	—	713.41	713.41
	Demand Charge (\$ per KVA)	2.948	1.236	4.184
	Off-Peak Excess Demand Charge (\$ per KVA)	1.533	--	1.533
	Energy Charge (\$ per KWH)	—	0.03805	0.03805
339	<b>Transmission Voltage:</b>			
	Customer Charge (\$)	—	713.41	713.41
	Demand Charge (\$ per KVA)	2.898	0.665	3.563
	Off-Peak Excess Demand Charge (\$ per KVA)	1.533	--	1.533
	Energy Charge (\$ per KWH)	—	0.03805	0.03805

(Continued on Sheet No. 25-9)

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**SCHEDULE SBS  
(Standby Service)**Backup Service (Cont'd)Monthly Backup Charge (Cont'd)

	Service Reliability Level	% Forced Outage Rate	Allowed Outage Hours	Generation	Distribution	Total
<b>Backup Demand Charge (\$ per kW):</b>						
<b>Secondary Voltage:</b>	A	5	438	1.075	3.575	4.650
	B	10	876	1.828	3.575	5.403
	C	15	1,314	2.579	3.575	6.154
	D	20	1,752	3.329	3.575	6.904
	E	25	2,190	4.083	3.575	7.658
	F	30	2,628	4.832	3.575	8.407
<b>Primary Voltage:</b>						
	A	5	438	1.041	2.240	3.281
	B	10	876	1.769	2.240	4.009
	C	15	1,314	2.494	2.240	4.734
	D	20	1,752	3.221	2.240	5.461
	E	25	2,190	3.947	2.240	6.187
	F	30	2,628	4.672	2.240	6.912
<b>Subtransmission/ Transmission Voltages:</b>						
	A	5	438	0.885	0.043	0.928
	B	10	876	1.594	0.043	1.637
	C	15	1,314	2.303	0.043	2.346
	D	20	1,752	3.014	0.043	3.057
	E	25	2,190	3.722	0.043	3.765
	F	30	2,628	4.430	0.043	4.473

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.

(Continued on Sheet No. 27-5)

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**SCHEDULE SBS  
(Standby Service)**Monthly Charges for Standby Service (Cont'd)Maintenance Service (Cont'd)**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 adjusted 30-minute integrated demands shall be used in the determination of the monthly billing demand under the supplemental service schedule.

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 (KVA) 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:

	Generation	Distribution	Total
Maintenance Energy Charge (¢ per KWH):			
Secondary Voltage	0.29505	0.61373	0.90878
Primary Voltage	0.28452	0.39875	0.68327
Subtransmission/Transmission Voltages	0.26248	0.04490	0.30738

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## P.U.C.O. NO. 7

SCHEDULE SBS  
(Standby Service)Local Facilities Charge

Charges to cover interconnection costs (including but not limited to suitable meters, relays and protective apparatus) incurred by the Company shall be determined by the Company and shall be collected from the customer. Such charges shall include the total installed cost of all local facilities. The customer shall make a 1-time payment for the local facilities 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
Demand Charge (\$ per KW)	2.191	1.035	3.226

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.

Delayed Payment Charge

The above schedule is net if full payment is received by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed will be made. Federal, state, county, township and municipal governments and public school systems not served under special contract are subject to the Public Authority Delayed Payment provision, Supplement No. 21.

Applicable Riders

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

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SCHEDULE SL  
(Street Lighting Service)Ownership of Facilities

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

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 088)

	Generation	Distribution	Total
Customer Charge (\$)	—	3.90	3.90
Energy Charge (¢ per KWH)	1.98767	1.06106	3.04873

The applicable KWH per lamp shall be stated under the monthly rate.

Hours of Lighting

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

Lamp Outages

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

Term of Contract

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

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 AL  
(Private Area Lighting Service)Availability of Service

Available to residential and general service customers where appropriate existing secondary distribution facilities are readily available for the lighting of private areas. This service is not available for street and highway lighting.

Monthly Rate

For each lamp with luminaire and an upsweep arm not over 7 feet in length or bracket mounted floodlight, controlled by photoelectric relay, where service is supplied from an existing pole and secondary facilities of the Company (a pole which presently serves another function besides supporting an area light) except in the case of post top lamps for which the rates per month already include the cost of a pole, the following charges apply. Charges are \$ per lamp per month.

Type of Lamp	Nominal Lamp Wattage	Avg. Monthly KWH Usage	Generation	Distribution	Total
<b>Luminaire:</b>					
<b>High Pressure Sodium</b>					
Standard	100	40	1.00	5.29	6.29
Standard	150	59	1.34	5.71	7.05
Standard	200	84	2.04	6.93	8.97
Standard	250 <sup>1</sup>	103	2.25	7.14	9.39
Standard	400	167	2.30	8.71	11.01
Post Top	100	40	2.15	11.33	13.48
Post Top	150	59	2.60	11.76	14.36
Cut Off	100	40	1.02	8.37	9.39
Cut Off	250	103	3.51	11.33	14.84
Cut Off	400	167	1.04	12.61	13.65
<b>Mercury Vapor</b>					
Standard	100 <sup>1</sup>	43	0.43	5.90	6.33
Standard	175 <sup>2</sup>	72	--	6.37	6.37
Standard	400 <sup>2</sup>	158	0.43	9.35	9.78
Post Top	175 <sup>2</sup>	72	--	11.89	11.89
<b>Floodlight:</b>					
<b>High Pressure Sodium</b>					
Standard	100	40	1.16	5.67	6.83
Standard	250	103	4.02	7.33	11.35
Standard	400	167	6.37	8.51	14.88
Standard	1000	378	29.49	11.54	41.03
<b>Metal Halide</b>					
Standard	250	100	3.83	8.36	12.19
Standard	400	158	5.80	9.11	14.91
Standard	1000	378	29.49	11.49	40.98

<sup>1</sup> No new installations after October 1, 1982.<sup>2</sup> No new installations after May 21, 1992.

(Continued on Sheet No. 41-2)

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P.U.C.O. NO. 7

ENHANCED SERVICE RELIABILITY RIDER

Effective Cycle 1 April 2009, 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 3.83187% 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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P.U.C.O. NO. 7

gridSMART RIDER

Effective Cycle 1 April 2009, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the gridSMART charge of 3.45344% 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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**OAD – ENHANCED SERVICE RELIABILITY RIDER**  
**(Open Access Distribution – Enhanced Service Reliability Rider)**

Effective Cycle 1 April 2009, 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 3.83187% 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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OAD – gridSMART RIDER  
(Open Access Distribution – gridSMART Rider)

Effective Cycle 1 April 2009, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the gridSMART charge of 3.45344% 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

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

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

SCHEDULE RS  
(Residential Service)Availability of Service

Available for residential service through one meter to individual residential customers.

Monthly Rate (Schedule Codes 001, 003, 004, 005, 007, 008, 015, 017, 022, 038, 062)

	Generation	Distribution	Total
Customer Charge (\$)	--	3.82	3.82
Energy Charge (¢ per KWH):			
For the first 800 KWH used per month	2.74359	2.35642	5.10001
For all KWH over 800 used per month	2.27283	1.71224	3.98507

Storage Water Heating Provision

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

If the customer installs a Company approved storage water heating system which consumes electrical energy only during off-peak hours as specified by the Company and stores hot water for use during on-peak hours, the following shall apply:

- (a) For minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at the storage water heating energy charge (Schedule Code 012).
- (b) For minimum capacity of 100 gallons, the last 350 KWH of use in any month shall be billed at the storage water heating energy charge. (Schedule Code 013)
- (c) For minimum capacity of 120 gallons or greater, the last 450 KWH of use in any month shall be billed at the storage water heating energy charge. (Schedule Code 014)

	Generation	Distribution	Total
Storage Water Heating Energy Charge (¢ per KWH)	1.19626	0.03512	1.23138

These provisions, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the Monthly Rate as set forth above.

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.

(Continued on Sheet No. 10-2)

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

SCHEDULE RS  
(Residential Service)Storage Water Heating Provision (Cont'd)

The Company reserves the right to inspect at all reasonable times the storage water heating system and devices which qualify the residence for service under the Storage Water Heating 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 standard monthly rate.

Load Management Water Heating Provision (Schedule Code 011)

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

For residential customers who install a Company approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at the load management water heating energy charge.

	Generation	Distribution	Total
Load Management Water Heating Energy Charge (\$ per KWH)	1.19626	0.03512	1.23138

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above.

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 load management storage water heating system and devices which qualify the residence for service under the Load Management Water Heating 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 standard monthly rate.

Minimum Charge

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

(Continued on Sheet No. 10-3)

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**SCHEDULE RS-ES**  
**(Residential Energy Storage)**

Availability of Service

Available to residential 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.

Households eligible to be served under this schedule shall be metered through 1 single-phase multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods.

Monthly Rate (Schedule Code 032)

	Generation	Distribution	Total
Customer Charge (\$)	--	7.64	7.64
Energy Charge (¢ per KWH):			
For all KWH used during the on-peak Billing period	4.34243	4.79974	9.14217
For all KWH used during the off-peak Billing period	1.19626	0.03512	1.23138

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.

Conservation and Load Management Credit

For the combination of an approved electric thermal storage space heating and/or cooling system and water heater, all of which are designed to consume electrical energy only during the off-peak billing period as previously described in this schedule, each residence will be credited the conservation and load management energy credit for all KWH used during the off-peak billing period, for a total of 60 monthly billing periods following the installation and use of these devices in such residence. the conservation and load management credit is applicable only to customers receiving such credit prior to March 23, 1995.

	Generation	Distribution	Total
Conservation and Load Management Energy Credit (¢ per KWH)	1.62973	--	1.62973

(Continued on Sheet No. 11-2)

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

SCHEDULE RS-TOD  
(Residential Time-of-Day Service)Availability of Service

Available for residential service through one single-phase multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods to individual residential customers. Availability is limited to the first 1,000 customers applying for service under this schedule.

Monthly Rate (Schedule Codes 030, 034)

	Generation	Distribution	Total
Customer Charge (\$)	—	7.64	7.64
Energy Charge (\$ per KWH):			
For all KWH used during the on-peak billing period	4.34243	4.79974	9.14217
For all KWH used during the off-peak billing period	1.19626	0.03512	1.23138

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.

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:

(Continued on Sheet No. 12-2)

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

**SCHEDULE RDMS**  
(Residential Demand Metered Service)

Availability of Service

This schedule is available, subject to the availability of appropriate metering facilities and reasonable installation schedules, for full residential single-phase electric service through one delivery point to individual residential customers whose residences have permanently installed electric space heating devices which supply over 70 percent of the space heating requirements of the residence.

This schedule provides an incentive for electric heating customers to utilize electric service in a manner that minimizes the rate of use during the Company's on-peak billing period.

A customer selecting this schedule shall agree to be served thereunder for an initial period of 12 months and to pay to the Company in 9 monthly installments of \$25 each, the sum of \$225 toward the distribution cost of purchasing and installing the special metering required. All metering equipment shall remain the property of the Company, which shall be responsible for its installation, operation, maintenance, testing, replacement and removal. A customer served hereunder who moves from one residence to another residence served by the Company and selects this schedule at the second residence shall not be required to pay again for the metering.

Monthly Rate (Schedule Code 019)

	Generation	Distribution	Total
Customer Charge (\$)	--	10.02	10.02
Energy Charge (¢ per KWH):			
For all those KWH used during the month in excess of 400 times the monthly billing demand	1.98796	0.03512	2.02308
For those KWH used during the on-peak billing period:			
For the first 500 KWH	2.48387	3.04649	5.52836
For all over 500 KWH	1.84978	2.44702	4.29680
For all additional KWH used during the month	0.56310	1.23258	1.79568

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.

(Continued on Sheet No. 13-2)

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## 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)	3.59156	0.27999	3.87155

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:

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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## 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	5.86507	0.52646	6.39153
For all KWH used during the off-peak Billing period	1.28033	0.03512	1.31545

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)	3.59156	0.27999	3.87155

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

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**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)	3.08	--	3.08
	Energy Charge (¢ per KWH)	3.23419	0.03512	3.26931
	Customer Charge (\$)	--	22.91	22.91
	Maximum Energy Charge (¢ per KWH)	7.72860	5.53420	13.26280
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)	2.22	--	2.22
	Energy Charge (¢ per KWH)	3.19077	0.03512	3.22589
	Customer Charge (\$)	--	95.47	95.47
	Maximum Energy Charge (¢ per KWH)	10.15086	3.98758	14.13844
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)	1.73	--	1.73
	Energy Charge (¢ per KWH)	3.16254	0.03512	3.19766
	Customer Charge (\$)	--	272.09	272.09
	Maximum Energy Charge (¢ per KWH)	11.42142	3.24291	14.66433

(Continued on Sheet No. 21-2)

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**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)	0.91	--	0.91
	Energy Charge (\$ per KWH)	3.11865	0.03512	3.15377
	Customer Charge (\$)	--	534.63	534.63
	Maximum Energy Charge (\$ per KWH)	12.95284	2.26912	15.22196

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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## 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	3.70104	2.27282	5.97386
For all KWH used during the off-peak billing period	1.27487	0.03512	1.30999

(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)	3.09383	1.25784	4.35167

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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	3.70104	2.27282	5.97386
For all KWH used during the off-peak billing period	1.27487	0.03512	1.30999

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:

(Continued on Sheet No. 22-2)

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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)	9.75	4.13	13.88
	Excess KVA Demand Charge (\$ per KVA)	--	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	3.08	--	3.08
	Energy Charge (¢ per KWH)	0.13813	0.03512	0.17325
	Customer Charge (\$)	--	22.91	22.91
	Maximum Energy Charge (¢ per KWH)	9.96923	4.16897	14.13820
244, 246, 254	<b>Primary Voltage:</b>			
	Demand Charge (\$ per KW)	9.43	3.31	12.74
	Excess KVA Demand Charge (\$ per KVA)	--	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	2.22	--	2.22
	Energy Charge (¢ per KWH)	0.20103	0.03512	0.23615
	Customer Charge (\$)	--	95.47	95.47
	Maximum Energy Charge (¢ per KWH)	11.36583	3.34793	14.71376
248, 256	<b>Subtransmission Voltage:</b>			
	Demand Charge (\$ per KW)	9.16	2.93	12.09
	Excess KVA Demand Charge (\$ per KVA)	--	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	1.73	--	1.73
	Energy Charge (¢ per KWH)	0.23715	0.03512	0.27227
	Customer Charge (\$)	--	272.09	272.09
	Maximum Energy Charge (¢ per KWH)	12.05467	2.96605	15.02072
245, 257	<b>Transmission Voltage:</b>			
	Demand Charge (\$ per KW)	9.00	2.40	11.40
	Excess KVA Demand Charge (\$ per KVA)	--	3.82	3.82
	Off-Peak Excess Demand Charge (\$ per KW)	0.91	--	0.91
	Energy Charge (¢ per KWH)	0.22833	0.03512	0.26345
	Customer Charge (\$)	--	534.63	534.63
	Maximum Energy Charge (¢ per KWH)	12.87766	2.43142	15.30908

(Continued on Sheet No. 23-2)

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

**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	3.78000	2.27282	8.05282
For all KWH used during the off-peak billing period	1.35383	0.03512	1.38895

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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## 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)	10.30	2.77	13.07
	Off-Peak Excess Demand Charge (\$ per KW)	6.14	--	6.14
	Energy Charge (¢ per KWH)	0.00959	0.03512	0.04471
	Customer Charge (\$)	--	162.30	162.30
323	<b>Subtransmission Voltage:</b>			
	Demand Charge (\$ per KW)	10.03	1.15	11.18
	Off-Peak Excess Demand Charge (\$ per KW)	2.21	--	2.41
	Energy Charge (¢ per KWH)	0.05422	0.03512	0.08934
	Customer Charge (\$)	--	429.62	429.62
324	<b>Transmission Voltage:</b>			
	Demand Charge (\$ per KW)	9.86	0.43	10.29
	Off-Peak Excess Demand Charge (\$ per KW)	1.12	--	1.12
	Energy Charge (¢ per KWH)	0.04988	0.03512	0.08500
	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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## P.U.C.O. NO. 19

**SCHEDULE 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

Schedule Codes		Generation	Distribution	Total
336	<b>Secondary Voltage:</b>			
	Demand Charge (\$ per KW)	6.95	3.99	10.94
	Off-Peak Excess Demand Charge (\$ per KW)	8.06	--	8.06
	Energy Charge (\$ per KWH)	--	0.03512	0.03512
	Customer Charge (\$)	--	162.30	162.30
337	<b>Primary Voltage:</b>			
	Demand Charge (\$ per KW)	6.71	2.77	9.48
	Off-Peak Excess Demand Charge (\$ per KW)	6.14	--	6.14
	Energy Charge (\$ per KWH)	0.00959	0.03512	0.04471
	Customer Charge (\$)	--	162.30	162.30
338	<b>Subtransmission Voltage:</b>			
	Demand Charge (\$ per KW)	6.19	1.15	7.34
	Off-Peak Excess Demand Charge (\$ per KW)	2.21	--	2.21
	Energy Charge (\$ per KWH)	0.05422	0.03512	0.08934
	Customer Charge (\$)	--	429.62	429.62
339	<b>Transmission Voltage:</b>			
	Demand Charge (\$ per KW)	6.01	0.43	6.44
	Off-Peak Excess Demand Charge (\$ per KW)	1.12	--	1.12
	Energy Charge (\$ per KWH)	0.04988	0.03512	0.08500
	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.

(Continued on Sheet No. 25-9)

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

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

	Generation	Distribution	Total
Backup Energy Charge (\$ per KWH):			
Secondary	0.27246	0.03512	0.30758
Primary	0.32311	0.03512	0.35823
Subtransmission	0.35618	0.03512	0.39130
Transmission	0.34463	0.03512	0.37975

Demand Charge:

	Service Reliability Level	% Forced Outage Rate	Allowed Outage Hours	Generation	Distribution	Total
Backup Demand Charge (\$ per KW):						
Secondary Voltage:	A	5	438	0.22	4.88	5.20
	B	10	876	0.79	4.98	5.77
	C	15	1,314	1.40	4.98	6.38
	D	20	1,752	1.98	4.98	6.94
	E	25	2,190	2.54	4.98	7.52
	F	30	2,628	3.12	4.98	8.10
Primary Voltage:	A	5	438	0.22	3.21	3.43
	B	10	876	0.79	3.21	4.00
	C	15	1,314	1.34	3.21	4.56
	D	20	1,752	1.92	3.21	5.13
	E	25	2,190	2.47	3.21	5.68
	F	30	2,628	3.02	3.21	6.23
Subtransmission Voltage:	A	5	438	0.20	0.28	0.48
	B	10	876	0.75	0.28	1.03
	C	15	1,314	1.30	0.28	1.58
	D	20	1,752	1.83	0.28	2.11
	E	25	2,190	2.39	0.28	2.67
	F	30	2,628	2.92	0.28	3.20
Transmission Voltage:	A	5	438	0.33	0.14	0.47
	B	10	876	0.82	0.14	0.96
	C	15	1,314	1.29	0.14	1.43
	D	20	1,752	1.78	0.14	1.92
	E	25	2,190	2.26	0.14	2.40
	F	30	2,628	2.74	0.14	2.88

(Continued on Sheet No. 27-5)

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**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	0.49485	0.83802	1.33287
Primary	0.53973	0.55181	1.09154
Subtransmission	0.56413	0.07999	0.64412
Transmission	0.55114	0.05803	0.60917

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>	0.70	1.83	2.53

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 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	3.21	4.76	7.97
22,000 lumen high pressure sodium	4.72	5.66	10.38
22,000 lumen high pressure sodium floodlight	6.59	5.64	12.23
50,000 lumen high pressure sodium floodlight	6.84	6.26	13.10
17,000 lumen metal halide floodlight	3.25	7.14	10.39
29,000 lumen metal halide floodlight	3.93	6.57	10.50

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	4.18	5.43	9.61
20,000 lumen mercury	7.02	6.95	13.97
20,000 lumen mercury floodlight	7.90	8.77	16.67
50,000 lumen mercury floodlight	13.46	10.05	23.51

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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## 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*	1.09	9.40	10.49
For each 9,000 lumen high pressure sodium lamp on 12 foot post	5.31	8.93	14.24

\*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 \$4.08/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:

(Continued on Sheet No. 40-3)

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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>			
<b>Mercury Vapor:</b>			
7,000 lumen	0.87	3.67	4.54
11,000 lumen	1.30	4.24	5.54
20,000 lumen	1.44	4.54	5.98
50,000 lumen	0.68	8.23	8.91
<b>High Pressure Sodium:</b>			
9,000 lumen	2.62	3.25	5.87
16,000 lumen	3.25	3.31	6.56
22,000 lumen	3.88	3.80	7.68
50,000 lumen	5.51	4.11	9.62

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

(Continued on Sheet No. 41-2)

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AEP Ohio

## 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	5.44	8.09	13.53
16,000 lumen	6.07	8.13	14.20
22,000 lumen	6.68	8.64	15.32
50,000 lumen	8.30	8.95	17.25
<b>Multiple Lamps On Metal Pole:</b>			
20,000 lumen Mercury Vapor	0.39	6.96	7.35
High Pressure Sodium:			
9,000 lumen	4.02	5.66	9.68
16,000 lumen	4.65	5.71	10.36
22,000 lumen	5.24	6.22	11.46
50,000 lumen	6.89	6.53	13.42
<b>Post Top Unit:*</b>			
7,000 lumen Mercury Vapor	--	7.04	7.04
9,000 lumen High Pressure Sodium	4.67	6.77	11.44

\*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	1.30	8.98	10.28
16,000 lumen	3.76	9.04	12.80
22,000 lumen	4.27	9.54	13.81
50,000 lumen	8.55	9.86	18.41
<b>On Metal Pole:</b>			
High Pressure Sodium:			
9,000 lumen	15.40	23.22	38.62
16,000 lumen	16.17	23.28	39.45
22,000 lumen	16.81	23.77	40.58
50,000 lumen	18.52	24.09	42.61
<b>Multiple Lamps On Metal Pole:</b>			
High Pressure Sodium:			
9,000 lumen	9.17	13.23	22.40
16,000 lumen	9.84	13.28	23.12
22,000 lumen	10.46	13.79	24.25
50,000 lumen	12.18	14.10	26.28
<b>Post Top Unit:*</b>			
9,000 lumen High Pressure Sodium	6.50	8.31	14.81

\*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:

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

(Continued on Sheet No. 41-4)

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## 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)	1.62988	.94381	2.57369

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.

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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)	1.56969	1.32863	2.89832
Demand Charge for each KW of monthly demand in excess of 30 KW (\$ per KW)	2.03	1.18	3.21

Minimum Charge

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

Measurement and Determination of Demand

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

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:

(Continued on Sheet No. 42-2)

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## 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	2.64892	1.24738	3.89630
For the balance of KWH used per month	2.54064	1.24738	3.78802

Minimum Charge

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

Determination of Enclosed Area

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:

(Continued on Sheet No. 44-2)

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P.U.C.O. NO. 19

ENHANCED SERVICE RELIABILITY RIDER

Effective Cycle 1 April 2009, 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 7.46876% 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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	Economic Development Cost Recovery Rider	82-1D	Cycle 1 April 2009
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	Emergency Electrical Procedures	90-1D thru 90-9D	Cycle 1 April 2009

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P.U.C.O. NO. 19

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

Effective Cycle 1 April 2009, 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 7.46876% 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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COLUMBUS SOUTHERN POWER COMPANY

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AEP Ohio

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(Continued on Sheet No. 1-3)

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P.U.C.O. NO. 7

**SCHEDULE R-R  
(Residential Service)**Availability of Service

Available for residential electric service through one meter to individual residential customers, including those on lines subject to the Rural Line Extension Plan.

Monthly Rate (Schedule Code 013)

	Generation	Distribution	Total
Customer Charge (\$)	--	4.52	4.52
Energy Charge (¢ per KWH):			
Winter:			
For the first 800 KWH used per month	2.72515	2.98899	5.71414
For all KWH over 800 KWH used per month	--	0.57028	0.57028
Summer:			
For the first 800 KWH used per month	2.72515	2.98899	5.71414
For all KWH over 800 KWH used per month	2.72515	2.98899	5.71414

Seasonal Periods

The winter period shall be the billing months of October through May and the summer period shall be the billing months of June through September.

Minimum Charge

- (a) The minimum monthly charge for service on lines not subject to the Rural Line Extension Plan shall be the Customer Charge.
- (b) The minimum monthly charge for electric service supplied from lines subject to the Rural Line Extension Plan shall, for the initial contract period of four years, be the amount provided in the "Definitions, Rules and Regulations for Rural Line Extension Plan," but in no event shall be less than the Customer Charge.

Storage Water Heating Provision

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

If the customer installs a Company approved storage water heating system which consumes electrical energy only during off-peak hours as specified by the Company and stores hot water for use during on-peak hours, the following shall apply:

- (a) For minimum capacity of 80 gallons, the last 300 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 016)

(Continued on Sheet No. 10-2)

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## P.U.C.O. NO. 7

SCHEDULE R-R  
(Residential Service)Storage Water Heating Provision (Cont'd)

- (b) For minimum capacity of 100 gallons, the last 400 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 017)
- (c) For minimum capacity of 120 gallons or greater, the last 500 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 018)

	Generation	Distribution	Total
Storage Water Heating Energy Charge (\$ per KWH)	1.23349	0.03805	1.27154

These provisions, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above.

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 storage water heating system and devices which qualify the residence for service under the storage water heater 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 schedule are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the Customer Charge as stated in the above monthly rate.

Load Management Water Heating Provision (Schedule Code 011)

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

For residential customers who install a Company-approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at the Load Management Water Heating Energy Charge.

	Generation	Distribution	Total
Load Management Water Heating Energy Charge (\$ per KWH)	1.23349	0.03805	1.27154

(Continued on Sheet No. 10-3)

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## P.U.C.O. NO. 7

SCHEDULE R-R-1  
(Residential Small Use Load Management Service)Availability of Service

Available for residential electric service through one meter to individual residential customers who normally do not use more than 600 KWH per month during the summer period, including those on lines subject to the Rural Line Extension Plan. Any new customer or an existing customer who changes service location will be billed under Schedule R-R until the first billing month during the summer period.

Monthly Rate (Schedule Code 014)

	Generation	Distribution	Total
Customer Charge (\$)	--	4.52	4.52
Energy Charge (¢ per KWH):			
Winter:			
For the first 700 KWH used per month	2.06769	2.74267	4.81036
For the next 100 KWH used per month	2.06769	2.74267	4.81036
For all KWH used over 800 KWH used per Month	--	0.57028	0.57028
Summer			
For the first 700 KWH used per month	2.06769	2.74267	4.81036

In any summer billing month if usage exceeds 700 KWH, billing will be rendered that month under Schedule R-R and thereafter for all subsequent months through the four months of the next summer period.

Seasonal Periods

The winter period shall be the billing months of October through May and the summer period shall be the billing months of June through September.

Minimum Charge

- (a) The minimum monthly charge for service on lines not subject to the Rural Line Extension Plan shall be the Customer Charge.
- (b) The minimum monthly charge for electric service supplied from lines subject to the Rural Line Extension Plan shall, for the initial contract period of four years, be the amount provided in the "Definitions, Rules and Regulations for Rural Line Extension Plan," but in no event shall be less than the Customer Charge.

(Continued on Sheet No. 11-2)

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## P.U.C.O. NO. 7

SCHEDULE R-R-1  
(Residential Small Use Load Management Service)Storage Water Heating Provision

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

If the customer installs a Company approved storage water heating system which consumes electrical energy only during off-peak hours as specified by the Company and stores hot water for use during on-peak hours, the following shall apply:

- (a) For minimum capacity of 80 gallons, the last 300 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 020)
- (b) For minimum capacity of 100 gallons, the last 400 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 021)
- (c) For minimum capacity of 120 gallons or greater, the last 500 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 022)

	Generation	Distribution	Total
Storage Water Heating Energy Charge (\$ per KWH)	1.23349	0.03805	1.27154

These provisions, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above. In addition, the KWH billed under this provision shall not apply to the 700 KWH eligibility requirement for service under this schedule.

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 storage water heating system and devices which qualify the residence for service under the storage water heater 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 schedule are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the Customer Charge as stated in the above monthly rate.

Load Management Water Heating Provision (Schedule Code 028)

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

(Continued on Sheet No. 11-3)

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SCHEDULE R-R-1  
(Residential Small Use Load Management Service)Load Management Water Heating Provision (Cont'd)

For residential customers who install a Company-approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at the Load Management Water Heating Energy Charge.

	Generation	Distribution	Total
Load Management Water Heating Energy Charge (¢ per KWH)	1.23349	0.03805	1.27154

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above. In addition, the KWH billed under this provision shall not apply to the 700 KWH eligibility requirement for service under this schedule.

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 load management storage water heating system and devices which qualify the residence for service under the Load Management Water Heating 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 standard monthly rate.

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:

(Continued on Sheet No. 11-4)

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**SCHEDULE RLM**  
(Residential Optional Demand Service)Availability of Service

Available for optional residential electric service through one meter to individual residential customers including those on lines subject to the Rural Line Extension Plan. This schedule provides an incentive for customers to minimize peak demand usage imposed on the Company and requires the installation of demand metering facilities.

Monthly Rate (Schedule Code 019)

	Generation	Distribution	Total
Customer Charge (\$)	--	7.13	7.13
Energy Charge (¢ per KWH):			
Winter:			
For the first 750 KWH used per month	2.33208	3.20795	5.54003
For the next 150 KWH per KW in excess of 5 KW Billing Demand used per month	1.26205	1.11224	2.37429
For all addition KWH used per month	1.47596	0.03805	1.51401
Summer:			
For the first 750 KWH used per month	2.33208	3.20795	5.54003
For the next 150 KWH per KW in excess of 5 KW Billing Demand used per month	2.21534	2.97931	5.19465
For all addition KWH used per month	2.07285	0.03805	2.11090

Seasonal Periods

The winter period shall be the billing months of October through May and the summer period shall be the billing months of June through September.

Minimum Charge

- (a) The minimum monthly charge for service on lines not subject to the Rural Line Extension Plan shall be the Customer Charge.
- (b) The minimum monthly charge for electric service supplied from lines subject to the Rural Line Extension Plan shall, for the initial contract period of four years, be the amount provided in the "Definitions, Rules and Regulations for Rural Line Extension Plan," but in no event shall be less than the Customer Charge.

Storage Water Heating Provision

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

(Continued on Sheet No. 12-2)

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SCHEDULE RLM  
(Residential Optional Demand Service)Storage Water Heating Provision

If the customer installs a Company approved storage water heating system which consumes electrical energy only during off-peak hours as specified by the Company and stores hot water for use during on-peak hours, the following shall apply:

- (a) For minimum capacity of 80 gallons, the last 300 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 024)
- (b) For minimum capacity of 100 gallons, the last 400 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 025)
- (c) For minimum capacity of 120 gallons or greater, the last 500 KWH of use in any month shall be billed at the Storage Water Heating Energy Charge. (Schedule Code 026)

	Generation	Distribution	Total
Storage Water Heating Energy Charge (\$ per KWH)	1.23349	0.03805	1.27154

These provisions, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above.

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 storage water heating system and devices which qualify the residence for service under the storage water heater 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 schedule are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the Customer Charge as stated in the above monthly rate.

Load Management Water Heating Provision (Schedule Code 027)

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

(Continued on Sheet No. 12-3)

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## P.U.C.O. NO. 7

SCHEDULE RLM  
(Residential Optional Demand Service)Load Management Water Heating Provision (Cont'd)

For residential customers who install a Company-approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at the Load Management Water Heating Energy Charge.

	Generation	Distribution	Total
Load Management Water Heating Energy Charge (\$ per KWH)	1.23349	0.03805	1.27154

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above.

For the purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 load management storage water heating system and devices which qualify the residence for service under the Load Management Water Heating 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 schedule are being violated, it may discontinue billing the customer under this provision and commence billing under the standard monthly rate.

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:

(Continued on Sheet No. 12-4)

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SCHEDULE RS-ES  
(Residential Energy Storage)Availability of Service

Available for residential 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 equipment 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.

Households eligible to be served under this schedule shall be metered through one single-phase multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods.

Monthly Rate (Schedule Code 032)

	Generation	Distribution	Total
Customer Charge (\$)	--	7.13	7.13
Energy Charge (\$ per KWH):			
For all KWH used during the on-peak billing period	3.59545	5.68236	9.27781
For all KWH used during the off-peak billing period	1.23349	0.03805	1.27154

On-Peak and Off-Peak Hours

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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

- (a) The minimum monthly charge for service on lines not subject to the Rural Line Extension Plan shall be the Customer Charge.
- (b) The minimum monthly charge for electric service supplied from lines subject to the Rural Line Extension Plan shall, for the initial contract period of four years, be the amount provided in the "Definitions, Rules and Regulations for Rural Line Extension Plan," but in no event shall be less than the Customer Charge.

(Continued on Sheet No. 13-2)

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SCHEDULE RS-ES  
(Residential Energy Storage)Conservation and Load Management Credits

For the combination of an approved electric thermal storage space heating and/or cooling system and water heater, all of which are designed to consume electrical energy only during the off-peak period as previously described in this schedule, each residence will be credited the Conservation and Load Management Energy Credit for all KWH used during the off-peak billing period, for a total of 60 monthly billing periods following the installation and use of these devices in such residence.

	Generation	Distribution	Total
Conservation and Load Management Energy Credit (\$ per KWH)	0.75683	--	0.75683

Separate Metering Provision

Customers shall have the option of receiving service under Schedule R-R or Schedule R-R-1 for their general-use load by separately wiring this equipment to a standard residential meter.

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:

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
Monongahela Power Litigation Termination Rider	73-1
Power Acquisition Rider	74-1
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
gridSMART Rider	84-1

(Continued on Sheet No. 13-3)

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**SCHEDULE RS-TOD**  
(Residential Time-of-Day Service)Availability of Service

Available for residential electric service through one single-phase, multi-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods to individual residential customers. Availability is limited to the first 500 customers applying for service under this schedule.

Monthly Rate (Schedule Code 030)

	Generation	Distribution	Total
Customer Charge (\$)	—	7.13	7.13
Energy Charge (\$ per KWH):			
For all KWH used during the on-peak billing period	3.59545	5.68236	9.27781
For all KWH used during the off-peak billing period	1.23349	0.03805	1.27154

On-Peak and Off-Peak Hours

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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

- (a) The minimum monthly charge for service on lines not subject to the Rural Line Extension Plan shall be the Customer Charge.
- (b) The minimum monthly charge for electric service supplied from lines subject to the Rural Line Extension Plan shall, for the initial contract period of four years, be the amount provided in the "Definitions, Rules and Regulations for Rural Line Extension Plan," but in no event shall be less than the Customer Charge.

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:

(Continued on Sheet No. 14-2)

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P.U.C.O. NO. 7

SCHEDULE GS-1  
(General Service - Small)Availability of Service

Available for general service to customers with maximum demands less than 10 KW (excluding the demand served by the Load Management Time-of-Day provision).

Monthly Rate (Schedule Codes 202, 206)

	Generation	Distribution	Total
Customer Charge (\$)	--	6.47	6.47
Energy Charge (¢ per KWH):			
For the first 1,000 KWH used per month	5.61653	1.47707	7.09360
For all KWH over 1,000 KWH used per month	2.50670	1.47707	3.98377

Minimum Charge

The minimum monthly charge shall be the Customer Charge.

Delayed Payment Charge

The above schedule is net if full payment is received by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed will be made. Federal, state, county, township and municipal governments and public school systems not served under special contract are subject to the Public Authority Delayed Payment provision, Supplement No. 21.

Applicable Riders

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

(Continued on Sheet No. 20-2)

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SCHEDULE GS-1  
(General Service - Small)Load Management Time-of-Day Provision (Cont'd)

Customers who desire to separately wire their load management load to a time-of-day meter and their general-use load to a standard meter shall receive service for both under the appropriate provisions of this schedule.

Monthly Rate (Schedule Codes 224, 226)

	Generation	Distribution	Total
Load Management Customer Charge (\$)	—	14.41	14.41
Load Management Energy Charge (¢ per KWH):			
For all KWH used during the on-peak billing period	10.72385	3.45859	14.18244
For all KWH used during the off-peak billing period	0.30154	0.03805	0.33959

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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.

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.

(Continued on Sheet No. 20-4)

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## P.U.C.O. NO. 7

SCHEDULE GS-1  
(General Service - Small)Optional Unmetered Service Provision (Cont'd)

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 Codes 077, 078, 204, 214, 732)

	Generation	Distribution	Total
Unmetered Service Customer Charge (\$)	--	3.90	3.90
Unmetered Service Energy Charge (¢ per KWH)	2.47143	1.47707	3.94850

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

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SCHEDULE GS-2  
(General Service - Low Load Factor)Availability of Service

Available for general service to customers with maximum demands of 10 KW or greater (excluding the demand served by the Load Management Time-of-Day provision).

Monthly Rate

Schedule Codes		Generation	Distribution	Total
203,207, 208,209	<b>Secondary Voltage:</b>			
	Customer Charge (\$)	--	9.04	9.04
	Demand Charge (\$ per KW)	--	3.519	3.519
	Off-Peak Excess Demand Charge (\$ per KW)	0.361	--	0.361
	Energy Charge (¢ per KWH)	4.42346	0.03805	4.46151
	Maximum Energy Charge (¢ per KWH)	4.62172	7.07515	11.69687
217,218, 219	<b>Primary Voltage:</b>			
	Customer Charge (\$)	--	115.29	115.29
	Demand Charge (\$ per KW)	--	2.588	2.588
	Off-Peak Excess Demand Charge (\$ per KW)	0.351	--	0.351
	Energy Charge (¢ per KWH)	4.34545	0.03805	4.38350
	Maximum Energy Charge (¢ per KWH)	6.99990	5.21457	12.21447

Minimum and Maximum Charges

Bills computed under the above rate are subject to the operation of minimum and maximum charge provisions as follows:

- (a) Minimum Charge - For demand accounts up to 100 KW - the Customer Charge.
- For demand accounts over 100 KW - the sum of the Customer Charge, the product of the demand charge and the minimum 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 specified in the Minimum Charge provision above, (a).

(Continued on Sheet No. 21-2)

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## P.U.C.O. NO. 7

SCHEDULE GS-2  
(General Service - Low Load Factor)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 to fulfill the terms and conditions of service and/or in order to protect the Company's ability to recover its investment of costs over a reasonable period of time.

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.

Customers with cogeneration and/or small power production facilities shall take service under Schedule COGEN/SPP, Schedule NEMS, or by special agreement with the Company.

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

	Generation	Distribution	Total
Breakdown Service Minimum Demand Charge (\$ per KW)	2.099	3.575	5.674

Load Management Time-of-Day 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.

(Continued on Sheet No. 21-5)

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## P.U.C.O. NO. 7

SCHEDULE GS-2  
(General Service - Low Load Factor)Load Management Time-of-Day Provision (Cont'd)

Customers who desire to separately wire their load management load to a time-of-day meter and their general-use load to a standard meter shall receive service for both under the appropriate provisions of this schedule.

The customer shall be responsible for all local facilities required to take service under this provision.

Monthly Rate (Schedule Codes 220, 222)

	Generation	Distribution	Total
Load Management Customer Charge (\$)	--	28.63	28.63
Load Management Energy Charge (¢ per KWH):			
For all KWH used during the on-peak Billing period	7.78362	2.83254	10.61616
For all KWH used during the off-peak Billing period	0.02659	0.03805	0.06464

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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.

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SCHEDULE GS-2-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 Codes 228, 230)

	Generation	Distribution	Total
Customer Charge (\$)	--	28.63	28.63
Energy Charge (\$ per KWH):			
For all KWH used during the on-peak billing period	7.78362	2.83254	10.61616
For all KWH used during the off-peak billing period	0.02659	0.03805	0.06464

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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 charge shall be the Customer Charge.

Delayed Payment Charge

The above schedule is net if full payment is received by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed will be made. Federal, state, county, township and municipal governments and public school systems not served under special contract are subject to the Public Authority Delayed Payment provision, Supplement No. 21.

Applicable Riders

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

(Continued on Sheet No. 22-2)

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**SCHEDULE GS-3**  
(General Service - Medium Load Factor)Availability of Service

Available for general service to customers with maximum demands greater than 50 KW (excluding the demand served by the Load Management Time-of-Day provision).

Monthly Rate

Schedule Codes		Generation	Distribution	Total
240, 241, 242	<b>Secondary Voltage:</b>			
	Customer Charge (\$)	—	119.04	119.04
	Demand Charge (\$ per KW)	9.989	3.291	13.280
	Off-Peak Excess Demand Charge (\$ per KW)	1.301	--	1.301
	Excess KVA Charge (\$ per KVA)	--	0.863	0.863
	Energy Charge (¢ per KWH)	--	0.03805	0.03805
	Maximum Energy Charge (¢ per KWH)	2.50681	6.62047	9.12728
201, 205, 210	<b>Primary Voltage:</b>			
	Customer Charge (\$)	--	265.29	265.29
	Demand Charge (\$ per KW)	9.662	2.498	12.160
	Off-Peak Excess Demand Charge (\$ per KW)	1.260	--	1.260
	Excess KVA Charge (\$ per KVA)	--	0.835	0.835
	Energy Charge (¢ per KWH)	0.00721	0.03805	0.04526
	Maximum Energy Charge (¢ per KWH)	4.84009	5.03384	9.67393

Minimum and Maximum Charges

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 minimum 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).

(Continued on Sheet No. 23-2)

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SCHEDULE GS-3  
(General Service - Medium Load Factor)Special Terms and Conditions (Cont'd)

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

	Generation	Distribution	Total
Breakdown Service Minimum Demand Charge (\$ per KW)	2.099	3.575	5.674

Load Management Time-of-Day 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 load management load to a time-of-day meter and their general-use load to a standard meter shall receive service for both under the appropriate provisions of this schedule.

The customer shall be responsible for all local facilities required to take service under this provision.

Monthly Rate (Schedule Codes 250, 252)

	Generation	Distribution	Total
Load Management Customer Charge (\$)	--	108.77	108.77
Load Management Energy Charge (\$ per KWH):			
For all KWH used during the on-peak billing period	4.82929	1.63032	6.45961
For all KWH used during the off-peak billing period	--	0.03805	0.03805

For purpose of this provision, the on-peak billing period is defined as 7:00 AM to 9:00 PM local time for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM 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.

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

Available for general service customers using the Company's standard subtransmission or transmission service with maximum demands in excess of 1,000 KVA.

Monthly Rate (Schedule Codes 311, 312)

	Generation	Distribution	Total
Customer Charge (\$)	--	713.41	713.41
Demand Charge (\$ per KVA):			
First 3,000 KVA	10.030	0.665	10.695
Over 3,000 KVA	4.235	0.665	4.900
Off-Peak Excess Demand Charge (\$ per KVA)	1.509	--	1.509
Energy Charge (¢ per KWH)	--	0.03805	0.03805

Minimum Charge

The minimum charge shall be equal to the sum of the Customer Charge, Demand Charges, and all applicable riders.

Delayed Payment Charge

The above schedule is net if full payment is received by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed will be made.

Applicable Riders

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

(Continued on Sheet No. 24-2)

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

For customers with KVA demands, Supplemental Energy and Noncompliance Energy shall be multiplied by the customer's average monthly power factor.

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

Schedule Codes		Generation	Distribution	Total
336	<b>Secondary Voltage:</b>			
	Customer Charge (\$)	--	713.41	713.41
	Demand Charge (\$ per KVA)	3.043	3.873	6.916
	Off-Peak Excess Demand Charge (\$ per KVA)	4.716	--	4.716
	Energy Charge (¢ per KWH)	--	0.03805	0.03805
337	<b>Primary Voltage:</b>			
	Customer Charge (\$)	--	713.41	713.41
	Demand Charge (\$ per KVA)	2.944	2.925	5.869
	Off-Peak Excess Demand Charge (\$ per KVA)	3.563	--	3.563
	Energy Charge (¢ per KWH)	--	0.03805	0.03805
338	<b>Subtransmission Voltage:</b>			
	Customer Charge (\$)	--	713.41	713.41
	Demand Charge (\$ per KVA)	2.902	1.236	4.138
	Off-Peak Excess Demand Charge (\$ per KVA)	1.509	--	1.509
	Energy Charge (¢ per KWH)	--	0.03805	0.03805
339	<b>Transmission Voltage:</b>			
	Customer Charge (\$)	--	713.41	713.41
	Demand Charge (\$ per KVA)	2.853	0.665	3.518
	Off-Peak Excess Demand Charge (\$ per KVA)	1.509	--	1.509
	Energy Charge (¢ per KWH)	--	0.03805	0.03805

(Continued on Sheet No. 25-9)

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Joseph Hamrock, President  
AEP Ohio

## P.U.C.O. NO. 7

SCHEDULE SBS  
(Standby Service)Backup Service (Cont'd)Monthly Backup Charge (Cont'd)

	Service Reliability Level	% Forced Outage Rate	Allowed Outage Hours	Generation	Distribution	Total
Backup Demand Charge (\$ per KW):						
Secondary Voltage:	A	5	438	1.059	3.575	4.634
	B	10	876	1.799	3.575	5.374
	C	15	1,314	2.538	3.575	6.113
	D	20	1,752	3.277	3.575	6.852
	E	25	2,190	4.019	3.575	7.594
	F	30	2,628	4.756	3.575	8.331
Primary Voltage:						
	A	5	438	1.025	2.240	3.265
	B	10	876	1.741	2.240	3.981
	C	15	1,314	2.455	2.240	4.695
	D	20	1,752	3.171	2.240	5.411
	E	25	2,190	3.885	2.240	6.125
	F	30	2,628	4.599	2.240	6.839
Subtransmission/ Transmission Voltages:						
	A	5	438	0.872	0.043	0.915
	B	10	876	1.569	0.043	1.612
	C	15	1,314	2.267	0.043	2.310
	D	20	1,752	2.966	0.043	3.009
	E	25	2,190	3.664	0.043	3.707
	F	30	2,628	4.361	0.043	4.404

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.

(Continued on Sheet No. 27-5)

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P.U.C.O. NO. 7

**SCHEDULE SBS  
(Standby Service)**Monthly Charges for Standby Service (Cont'd)Maintenance Service (Cont'd)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 adjusted 30-minute integrated demands shall be used in the determination of the monthly billing demand under the supplemental service schedule.

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 (KVA) 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:

	Generation	Distribution	Total
Maintenance Energy Charge (¢ per KWH):			
Secondary Voltage	0.29042	0.61373	0.90415
Primary Voltage	0.28006	0.39875	0.67881
Subtransmission/Transmission Voltages	0.25836	0.04490	0.30326

(Continued on Sheet No. 27-7)

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P.U.C.O. NO. 7

SCHEDULE SBS  
(Standby Service)Local Facilities Charge

Charges to cover interconnection costs (including but not limited to suitable meters, relays and protective apparatus) incurred by the Company shall be determined by the Company and shall be collected from the customer. Such charges shall include the total installed cost of all local facilities. The customer shall make a 1-time payment for the local facilities 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
Demand Charge (\$ per KW)	2.157	1.035	3.192

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.

Delayed Payment Charge

The above schedule is net if full payment is received by mail, checkless payment plan, electronic payment plan or at an authorized payment agent of the Company within 21 days after the mailing of the bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed will be made. Federal, state, county, township and municipal governments and public school systems not served under special contract are subject to the Public Authority Delayed Payment provision, Supplement No. 21.

Applicable Riders

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

(Continued on Sheet No. 27-8)

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## P.U.C.O. NO. 7

SCHEDULE SL  
(Street Lighting Service)Ownership of Facilities

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

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 088)

	Generation	Distribution	Total
Customer Charge (\$)	--	3.90	3.90
Energy Charge (¢ per KWH)	1.95650	1.06106	3.01756

The applicable KWH per lamp shall be stated under the monthly rate.

Hours of Lighting

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

Lamp Outages

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

Term of Contract

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

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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## P.U.C.O. NO. 7

SCHEDULE AL  
(Private Area Lighting Service)Availability of Service

Available to residential and general service customers where appropriate existing secondary distribution facilities are readily available for the lighting of private areas. This service is not available for street and highway lighting.

Monthly Rate

For each lamp with luminaire and an upsweep arm not over 7 feet in length or bracket mounted floodlight, controlled by photoelectric relay, where service is supplied from an existing pole and secondary facilities of the Company (a pole which presently serves another function besides supporting an area light) except in the case of post top lamps for which the rates per month already include the cost of a pole, the following charges apply. Charges are \$ per lamp per month.

Type of Lamp	Nominal Lamp Wattage	Avg. Monthly KWH Usage	Generation	Distribution	Total
<b>Luminaire:</b>					
<b>High Pressure Sodium</b>					
Standard	100	40	0.99	5.29	6.28
Standard	150	59	1.32	5.71	7.03
Standard	200	84	2.01	6.93	8.94
Standard	250 <sup>1</sup>	103	2.21	7.14	9.35
Standard	400	167	2.26	8.71	10.97
Post Top	100	40	2.12	11.33	13.45
Post Top	150	59	2.56	11.76	14.32
Cut Off	100	40	1.00	8.37	9.37
Cut Off	250	103	3.45	11.33	14.78
Cut Off	400	167	1.02	12.61	13.63
<b>Mercury Vapor</b>					
Standard	100 <sup>1</sup>	43	0.43	5.90	6.33
Standard	175 <sup>2</sup>	72	--	6.37	6.37
Standard	400 <sup>2</sup>	158	0.43	9.35	9.78
Post Top	175 <sup>2</sup>	72	--	11.89	11.89
<b>Floodlight:</b>					
<b>High Pressure Sodium</b>					
Standard	100	40	1.14	5.67	6.81
Standard	250	103	3.95	7.33	11.28
Standard	400	167	6.27	8.51	14.78
Standard	1000	378	29.03	11.54	40.57
<b>Metal Halide</b>					
Standard	250	100	3.77	8.36	12.13
Standard	400	158	5.71	9.11	14.82
Standard	1000	378	29.03	11.49	40.52

<sup>1</sup> No new installations after October 1, 1982.<sup>2</sup> No new installations after May 21, 1992.

(Continued on Sheet No. 41-2)

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AEP Ohio



COLUMBUS SOUTHERN POWER COMPANY

1<sup>st</sup> Revised Sheet No. 83-1  
Cancels Original Sheet No. 83-1

P.U.C.O. NO. 7

ENHANCED SERVICE RELIABILITY RIDER

Effective Cycle 1 January 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 2.82976% of the customer's distribution charges under the Company's Schedules, excluding charges under any applicable Riders. This Rider shall be adjusted periodically to recover amounts authorized by the Commission.

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Joseph Hamrock, President  
AEP Ohio

Effective: Cycle 1 January 2010

COLUMBUS SOUTHERN POWER COMPANY

1<sup>st</sup> Revised Sheet No. 84-1  
Cancels Original Sheet No. 84-1

P.U.C.O. NO. 7

gridSMART RIDER

Effective Cycle 1 January 2010, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the gridSMART charge of 2.55030% 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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## P.U.C.O. NO. 7

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	Advanced Energy Fund Rider	61-1D	Cycle 1 April 2009
	KWH Tax Rider	62-1D	Cycle 1 April 2009
	Provider of Last Resort Charge Rider	69-1D	Cycle 1 April 2009
	Electronic Transfer Rider	70-1D	Cycle 1 April 2009
	Monongahela Power Litigation Termination Rider	73-1D	Cycle 1 April 2009
	Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1D	Cycle 1 April 2009
	Economic Development Cost Recovery Rider	82-1D	Cycle 1 April 2009
	Enhanced Service Reliability Rider	83-1	Cycle 1 January 2010
	gridSMART Rider	84-1	Cycle 1 January 2010
	Emergency Electrical Procedures	90-1D-90-9D	Cycle 1 April 2009

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AEP Ohio

P.U.C.O. NO. 7

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

Effective Cycle 1 January 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 2.82976% 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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COLUMBUS SOUTHERN POWER COMPANY

1<sup>st</sup> Revised Sheet No. 84-1D  
Cancels Original Sheet No. 84-1D

P.U.C.O. NO. 7

**OAD – gridSMART RIDER**  
(Open Access Distribution – gridSMART Rider)

Effective Cycle 1 January 2010, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the gridSMART charge of 2.55030% 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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Exhibit B-1

OHIO POWER COMPANY

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

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GS-3	General Service – Medium/High Load Factor	23-1 thru 23-5	Cycle 1 January 2010
GS-4	General Service – Large	24-1 thru 24-4	Cycle 1 January 2010
IRP-D	Interruptible Power – Discretionary	25-1 thru 25-10	Cycle 1 January 2010
COGEN/SPP	Cogeneration and/or Small Power Production	26-1 thru 26-3	Cycle 1 April 2009
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(Continued on Sheet No. 1-2)

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P.U.C.O. NO. 19

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	KWH Tax Rider	62-1	Cycle 1 April 2009
	Provider of Last Resort Charge Rider	69-1	Cycle 1 April 2009
	Electronic Transfer Rider	70-1	Cycle 1 April 2009
	Emergency Curtailable Service Rider	71-1 thru 71-3	Cycle 1 April 2009
	Energy Price Curtailable Service Rider	72-1 thru 72-4	Cycle 1 April 2009
	Transmission Cost Recovery Rider	75-1	Cycle 1 July 2009
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	Energy Efficiency and Peak Demand Reduction Cost Recovery Rider	81-1	Cycle 1 April 2009
	Economic Development Cost Recovery Rider	82-1	Cycle 1 April 2009
	Enhanced Service Reliability Rider	83-1	Cycle 1 January 2010
	Emergency Electrical Procedures	90-1 thru 90-9	Cycle 1 April 2009

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

SCHEDULE RS  
(Residential Service)Availability of Service

Available for residential service through one meter to individual residential customers.

Monthly Rate (Schedule Codes 001, 003, 004, 005, 007, 008, 015, 017, 022, 038, 062)

	Generation	Distribution	Total
Customer Charge (\$)	--	3.82	3.82
Energy Charge (\$ per KWH):			
For the first 800 KWH used per month	2.61075	2.35642	4.96717
For all KWH over 800 used per month	2.16278	1.71224	3.87502

Storage Water Heating Provision

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

If the customer installs a Company approved storage water heating system which consumes electrical energy only during off-peak hours as specified by the Company and stores hot water for use during on-peak hours, the following shall apply:

- (a) For minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at the storage water heating energy charge (Schedule Code 012).
- (b) For minimum capacity of 100 gallons, the last 350 KWH of use in any month shall be billed at the storage water heating energy charge. (Schedule Code 013)
- (c) For minimum capacity of 120 gallons or greater, the last 450 KWH of use in any month shall be billed at the storage water heating energy charge. (Schedule Code 014)

	Generation	Distribution	Total
Storage Water Heating Energy Charge (\$ per KWH)	1.13834	0.03512	1.17346

These provisions, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the Monthly Rate as set forth above.

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.

(Continued on Sheet No. 10-2)

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

SCHEDULE RS  
(Residential Service)Storage Water Heating Provision (Cont'd)

The Company reserves the right to inspect at all reasonable times the storage water heating system and devices which qualify the residence for service under the Storage Water Heating 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 standard monthly rate.

Load Management Water Heating Provision (Schedule Code 011)

Availability of this provision is limited to those customers served under this provision as of December 31, 2000.

For residential customers who install a Company approved load management water heating system which consumes electrical energy primarily during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at the load management water heating energy charge.

	Generation	Distribution	Total
Load Management Water Heating Energy Charge (¢ per KWH)	1.13834	0.03512	1.17346

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above.

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 load management storage water heating system and devices which qualify the residence for service under the Load Management Water Heating 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 standard monthly rate.

Minimum Charge

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

(Continued on Sheet No. 10-3)

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

SCHEDULE RS-ES  
(Residential Energy Storage)Availability of Service

Available to residential 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.

Households eligible to be served under this schedule shall be metered through 1 single-phase multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods.

Monthly Rate (Schedule Code 032)

	Generation	Distribution	Total
Customer Charge (\$)	—	7.64	7.64
Energy Charge (¢ per KWH):			
For all KWH used during the on-peak Billing period	4.13216	4.79974	8.93190
For all KWH used during the off-peak Billing period	1.13834	0.03512	1.17346

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.

Conservation and Load Management Credit

For the combination of an approved electric thermal storage space heating and/or cooling system and water heater, all of which are designed to consume electrical energy only during the off-peak billing period as previously described in this schedule, each residence will be credited the conservation and load management energy credit for all KWH used during the off-peak billing period, for a total of 60 monthly billing periods following the installation and use of these devices in such residence. the conservation and load management credit is applicable only to customers receiving such credit prior to March 23, 1995.

	Generation	Distribution	Total
Conservation and Load Management Energy Credit (¢ per KWH)	1.55082	—	1.55082

(Continued on Sheet No. 11-2)

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

SCHEDULE RS-TOD  
(Residential Time-of-Day Service)Availability of Service

Available for residential service through one single-phase multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods to individual residential customers. Availability is limited to the first 1,000 customers applying for service under this schedule.

Monthly Rate (Schedule Codes 030, 034)

	Generation	Distribution	Total
Customer Charge (\$)	—	7.64	7.64
Energy Charge (\$ per KWH):			
For all KWH used during the on-peak billing period	4.13216	4.79974	8.93190
For all KWH used during the off-peak billing period	1.13834	0.03512	1.17346

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.

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:

(Continued on Sheet No. 12-2)

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AEP Ohio

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

SCHEDULE RDMS  
(Residential Demand Metered Service)Availability of Service

This schedule is available, subject to the availability of appropriate metering facilities and reasonable installation schedules, for full residential single-phase electric service through one delivery point to individual residential customers whose residences have permanently installed electric space heating devices which supply over 70 percent of the space heating requirements of the residence.

This schedule provides an incentive for electric heating customers to utilize electric service in a manner that minimizes the rate of use during the Company's on-peak billing period.

A customer selecting this schedule shall agree to be served thereunder for an initial period of 12 months and to pay to the Company in 9 monthly installments of \$25 each, the sum of \$225 toward the distribution cost of purchasing and installing the special metering required. All metering equipment shall remain the property of the Company, which shall be responsible for its installation, operation, maintenance, testing, replacement and removal. A customer served hereunder who moves from one residence to another residence served by the Company and selects this schedule at the second residence shall not be required to pay again for the metering.

Monthly Rate (Schedule Code 019)

	Generation	Distribution	Total
Customer Charge (\$)	--	10.02	10.02
Energy Charge (¢ per KWH):			
For all those KWH used during the month in excess of 400 times the monthly billing demand	1.89170	0.03512	1.92682
For those KWH used during the on-peak billing period:			
For the first 500 KWH	2.36359	3.04549	5.40908
For all over 500 KWH	1.76021	2.44702	4.20723
For all additional KWH used during the month	0.53584	1.23258	1.76842

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.

(Continued on Sheet No. 13-2)

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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:

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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## 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)	9.65934	3.98758	13.64692
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)	10.86838	3.24291	14.11129

(Continued on Sheet No. 21-2)

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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)	12.32565	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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## 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:

(Continued on Sheet No. 22-2)

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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)	9.26	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)	9.48651	4.16897	13.65548
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)	2.12	--	2.12
	Energy Charge (¢ per KWH)	0.19129	0.03512	0.22641
	Customer Charge (\$)	--	95.47	95.47
	Maximum Energy Charge (¢ per KWH)	10.81549	3.34793	14.16342
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)	11.47097	2.98605	14.43702
245, 257	<b>Transmission Voltage:</b>			
	Demand Charge (\$ per KW)	8.57	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

(Continued on Sheet No. 23-2)

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

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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## 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)	0.00913	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)	0.05159	0.03512	0.08671
	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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P.U.C.O. NO. 19

SCHEDULE 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

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)	--	0.03512	0.03512
	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	0.03512	0.04425
	Customer Charge (\$)	--	162.30	162.30
338	<b>Subtransmission Voltage:</b>			
	Demand Charge (\$ per KW)	5.89	1.15	7.04
	Off-Peak Excess Demand Charge (\$ per KW)	2.10	--	2.10
	Energy Charge (¢ per KWH)	0.05159	0.03512	0.08671
	Customer Charge (\$)	--	429.62	429.62
339	<b>Transmission Voltage:</b>			
	Demand Charge (\$ per KW)	5.71	0.43	6.14
	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.

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Joseph Hamrock, President  
AEP Ohio

P.U.C.O. NO. 19

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

	Generation	Distribution	Total
Backup Energy Charge (\$ per KWH):			
Secondary	0.25927	0.03512	0.29439
Primary	0.30746	0.03512	0.34258
Subtransmission	0.33893	0.03512	0.37405
Transmission	0.32795	0.03512	0.36307

## Demand Charge:

	Service Reliability Level	% Forced Outage Rate	Allowed Outage Hours	Generation	Distribution	Total
Backup Demand Charge (\$ per KW):						
Secondary Voltage:	A	5	438	0.21	4.98	5.19
	B	10	876	0.75	4.98	5.73
	C	15	1,314	1.33	4.98	6.31
	D	20	1,752	1.87	4.98	6.85
	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	0.21	3.21	3.42
	B	10	876	0.75	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	2.35	3.21	5.56
	F	30	2,628	2.87	3.21	6.08
Subtransmission Voltage:	A	5	438	0.19	0.28	0.47
	B	10	876	0.71	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	2.61	0.14	2.75

(Continued on Sheet No. 27-5)

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SCHEDULE SBS  
(Standby Service)Monthly Charges for Standby Service (Cont'd)Maintenance Service (Cont'd)

	Generation	Distribution	Total
Maintenance Energy Charge (¢ per KWH):			
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
Demand Charge (\$ per KW)	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 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	7.51	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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## 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:

(Continued on Sheet No. 40-3)

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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	14.85	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:

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

(Continued on Sheet No. 41-4)

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## 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.

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## 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.

Measurement and Determination of Demand

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

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:

(Continued on Sheet No. 42-2)

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OHIO POWER COMPANY

1<sup>st</sup> Revised Sheet No. 83-1  
Cancels Original Sheet No. 83-1

P.U.C.O. NO. 19

ENHANCED SERVICE RELIABILITY RIDER

Effective Cycle 1 January 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 5.49819% 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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**OAD – ENHANCED SERVICE RELIABILITY RIDER**  
**(Open Access Distribution – Enhanced Service Reliability Rider)**

Effective Cycle 1 January 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 5.49819% 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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COLUMBUS SOUTHERN POWER COMPANY