FILE

115

PUCO EXHIBIT FILING

Date of Hearing: 1-7-2016

Case No. 14-1693-EL-RDR, 14-1694-EL-AAM

PUCO Case Caption: In the Matter of the Application Seeking Approval of Ohio Power Company's Proposal to Enter into an Affiliate Power Purchase Agreement for Inclusion in the Power Purchase Agreement Rider & In the Matter of the Application of Ohio Power Company for Approval of Certain Accounting Authority

Volume XXI

List of exhibits being filed:

OCC 30

OMAEG 31, 32

IEU 19

Reporter's Signature: Karen Sue Gibson

Date Submitted: 1-11-16

BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

- - -

In the Matter of the Application Seeking Approval of Ohio Power Company's Proposal to Enter into an Affiliate Power Purchase Agreement for Inclusion in the Power Purchase Agreement Rider.	Case No. 14-1693-EL-RDR
In the Matter of the Application of Ohio Power Company for Approval of Certain Accounting Authority.	Case No. 14-1694-EL-AAM

- - -

PROCEEDINGS

before Ms. Greta See and Ms. Sarah Parrot, Attorney Examiners, and Commissioner Asim Haque at the Public Utilities Commission of Ohio, 180 East Broad Street, Room 11-A, Columbus, Ohio, called at 9:00 a.m. on Thursday, January 7, 2016.

- - -

VOLUME XXI

- - -

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- - -

EXHIBIT
30
OCC

PENGAD 800-631-6989

BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application Seeking Approval of Ohio Power Company's Proposal to Enter into an Affiliate Power Purchase agreement for Inclusion in the Power Purchase Agreement Rider.	)))	Case No. 14-1693-EL-RDR
In the Matter of the Application of Ohio Power Company for Approval of Certain Accounting Authority.	)))	Case No. 14-1694-EL-AAM

INTERROGATORIES / REQUESTS FOR ADMISSIONS / REQUESTS FOR PRODUCTION OF DOCUMENTS

INTERROGATORIES:
008 (Work Papers), 012, 016, 017, 018, 019, 020, 021, 022, 023, 025, 043, 047, 048, 049, 051, 052, 053, 054, 055, 056, 057, 066, 068, 070, 072, 075, 077, 079, 083, 085, 087, 089, 092, 094, 096

REQUEST FOR ADMISSION:
008, 010, 012, 013, 014, 015, 016, 017, 018

REQUEST FOR PRODUCTION OF DOCUMENTS:
004, 019

BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application Seeking Approval of Ohio Power Company's Proposal to Enter into an Affiliate Power Purchase agreement for Inclusion in the Power Purchase Agreement Rider.	)))	Case No. 14-1693-EL-RDR
In the Matter of the Application of Ohio Power Company for Approval of Certain Accounting Authority.	)))	Case No. 14-1694-EL-AAM

INTERROGATORIES / REQUESTS FOR ADMISSIONS / REQUESTS FOR PRODUCTION OF DOCUMENTS

INTERROGATORIES:
008 (Work Papers), 012, 016, 017, 018, 019, 020, 021, 022, 023, 025, 043, 047, 048, 049, 051, 052, 053, 054, 055, 056, 057, 066, 068, 070, 072, 075, 077, 079, 083, 085, 087, 089, 092, 094, 096

REQUEST FOR ADMISSION:
008, 010, 012, 013, 014, 015, 016, 017, 018

REQUEST FOR PRODUCTION OF DOCUMENTS:
004, 019

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-008 **Please identify the projected rate impacts by customer class/rate schedule for the duration of the PPA, including post-PPA impacts of deferrals, if any. Include projected rate impacts on a provision by provision basis as those provisions are set forth in the Stipulation.**

RESPONSE

The estimated customer rate impacts of the specific rate elements proposed to be approved in this proceeding (i.e. PPA Rider - Section III.A.4, transfer of 50% of EE/PDR rider costs for transmission and subtransmission customers to the EDR Rider- Section III.D.4, transfer of 50% of IRP credits to the EDR Rider- Section III.D.5) are included in the workpapers previously provided. All other rate impacts associated with the Stipulation will be determined in future Commission proceedings.

Prepared by: William A. Allen

Edison Electric Institute
Typical Net Monthly Bills

Columbus Southern Rate Zone

RESIDENTIAL - RR1 Bill Calculations		Rate Schedule Charges		100 kWh	250 kWh	500 kWh
Customer Charge	$/mo.	8.40	D	$8.40	$8.40	$8.40
*Energy Charges						
First 800 kWh	$/kWh	0.0000000	G	0.00	0	0
	$/kWh	0.0182747	D	1.83	4.57	9.14
Over 800 kWh	$/kWh	0.0000000	G	0	0	0
	$/kWh	0.0182747	D	0	0	0
Subtotal			G	$0.00	$0.00	$0.00
			D	$10.23	$12.97	$17.54
Universal Service Fund	$/kWh	0.0049462	D	0.49	1.24	2.47
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	0.47	1.16	2.33
(Next 13,000)	$/kWh	0.00419	D	0.00	0.00	0.00
(Over 15,000)	$/kWh	0.00363	D	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154	D	0.53	1.33	2.66
SEET REFUND	$/kWh	0.0000000	D	0.00	0.00	0.00
Basic Transmission Rider		0.0128713	T	1.29	3.22	6.44
Transmission Cost Recovery	$/kWh	0.0015898	T	0.16	0.40	0.79
Transmission Under-Recovery	$/kWh	0.0003295	T	0.03	0.08	0.16
Auction Cost Recovery Rider		0.0003686	G	0.04	0.09	0.18
APIR & FCR	$/kWh		G	0.00	0.00	0.00
GENE		0.0463200	G	4.63	11.58	23.16
GENC	$/kWh	0.0142100	G	1.42	3.55	7.11
Distribution Investment Rider	%	25.58994%	D	2.62	3.32	4.49
AER	$/kWh	0.0009930	G	0.10	0.25	0.50
Pilot Throughput Balance Adjustment	$/kWh	0.0017270	D	0.17	0.43	0.86
EE&PDR Cost Recovery Rider	$/kWh	0.0045666	D	0.46	1.14	2.28
Econ Dev Cost Recovery Rider	%	-0.13648%	D	(0.01)	(0.02)	(0.02)
Deferred Asset Phase-In Rider	%	7.66%	D	0.78	0.99	1.34
Residential Credit Rider	%	-3.58070%	D	(0.37)	(0.46)	(0.63)
Enhanced Service Reliability Rider	%	7.34119%	D	0.75	0.95	1.29
gridSMART^{SM} Phase 1	$/mo.	1.01	D	1.01	1.01	1.01
Placeholder 1				0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00
Total G				6.19	15.47	30.94
Total T				1.48	3.70	7.39
Total D				17.14	24.06	35.63
Total Bill				$24.81	$43.23	$73.96

* Not applicable to customers who use more than 700 kWh during the summer months.

Edison Electric Institute
Typical Net Monthly Bills

0

Columbus Southern Rate Zone

RESIDENTIAL RR Winter Bill Calculations		Rate Schedule Charges		750 kWh	1,000 kWh	1,500 kWh	2,000 kWh
Customer Charge	$/mo.	8.40	D	$8.40	$8.40	$8.40	$8.40
Energy Charges							
First 800 kWh	$/kWh	0.0000000	G	0	0	0	0
	$/kWh	0.0182747	D	13.71	14.62	14.62	14.62
Over 800 kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0182747	D	0.00	3.65	12.79	21.93
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$22.11	$26.67	$35.81	$44.95
Universal Service Fund	$/kWh	0.0049462	D	3.71	4.95	7.42	9.89
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	3.49	4.65	6.98	9.30
(Next 13,000)	$/kWh	0.0041900	D	0.00	0.00	0.00	0.00
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154	D	3.99	5.32	7.97	10.63
Basic Transmisison Rider	$/kWh	0.0128713	T	9.65	12.87	19.31	25.74
Transmission Cost Recovery	$/kWh	0.0015898	T	1.19	1.59	2.38	3.18
Transmission Under-Recovery	$/kWh	0.0003295	T	0.25	0.33	0.49	0.66
AER	$/kWh	0.0009930	G	0.74	0.99	1.49	1.99
Auction Cost Recovery Rider	$/kWh	0.0003686	G	0.28	0.37	0.55	0.74
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	34.74	46.32	69.48	92.64
GENC 0.0142100	$/kWh	0.0142100	G	10.66	14.21	21.32	28.42
Pilot Throughput Balance Adjustment	$/kWh	0.0017270	D	1.30	1.73	2.59	3.45
Distribution Investment Rider	%	25.58994%	D	5.66	6.82	9.16	11.50
EE&PDR Cost Recovery Rider	$/kWh	0.0045666	D	3.42	4.57	6.85	9.13
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(0.03)	(0.04)	(0.05)	(0.06)
Enhanced Service Reliability Rider	%	7.34119%	D	1.62	1.96	2.63	3.30
Deferred Asset Phase-In Rider	%	7.66000%	D	1.69	2.04	2.74	3.44
Residential Credit Rider	%	-3.58070%	D	(0.79)	(0.95)	(1.28)	(1.61)
gridSMART[SM] Phase 1	$/mo.	1.01	D	1.01	1.01	1.01	1.01
Placeholder 1				0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00
Total G				46.42	61.89	92.83	123.79
Total T				11.09	14.79	22.18	29.58
Total D				47.18	58.74	81.84	104.94
Total Bill				$104.69	$135.42	$196.85	$258.30

RESIDENTIAL - RR Winer (Cont'd.) Bill Calculations		Rate Schedule Charges		3,000 kWh	5,000 kWh	7,500 kWh
Customer Charge	$/mo.	8.4	D	$8.40	$8.40	$8.40
Energy Charges						
First 800 kWh	$/kWh	0.0000000	G	0	0	0
	$/kWh	0.0182747	D	14.62	14.62	14.62
Over 800 kWh	$/kWh	0.0000000	G	0	0	0
	$/kWh	0.0182747	D	40.2	76.75	122.44
Subtotal			G	$0.00	$0.00	$0.00
			D	$63.22	$99.77	$145.46
Universal Service Fund	$/kWh	0.0049462	D	14.84	24.73	37.10
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.0041900	D	4.19	12.57	23.05
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154	D	15.95	26.58	39.87
Basic Transmission Rider	$/kWh	0.0128713	T	38.61	64.36	96.53
Transmission Cost Recovery	$/kWh	0.0015898	T	4.77	7.95	11.92

Transmission Under-Recovery	$/kWh	0.0003295	T	0.99	1.65	2.47
AER	$/kWh	0.0009930	G	2.98	4.97	7.45
Auction Cost Recovery Rider	$/kWh	0.0003686	G	1.11	1.84	2.76
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	138.96	231.60	347.40
GENC 0.01421	$/kWh	0.0142100	G	42.63	71.05	106.58
Pilot Throughput Balance Adjustment	$/kWh	0.0017270	D	5.18	8.64	12.95
Distribution Investment Rider	%	25.58994%	D	16.18	25.53	37.22
EE&PDR Cost Recovery Rider	$/kWh	0.0045666	D	13.70	22.83	34.25
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(0.09)	(0.14)	(0.20)
Enhanced Service Reliability Rider	%	7.34119%	D	4.64	7.32	10.68
Deferred Asset Phase-In Rider	%	7.66000%	D	4.84	7.64	11.14
Residential Credit Rider	%	-3.58070%	D	(2.26)	(3.57)	(5.21)
gridSMART^{SM} Phase 1	$/mo.	1.01	D	1.01	1.01	1.01
Placeholder 1				0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00
Total G				185.68	309.46	464.18
Total T				44.37	73.96	110.92
Total D				150.70	242.21	356.62
Total Bill				$380.75	$625.63	$931.72

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

RESIDENTIAL - RR Summer Bill Calculations		Rate Schedule Charges		750 kWh	1,000 kWh	1,500 kWh	2,000 kWh
Customer Charge	$/mo.	8.40	D	$8.40	$8.40	$8.40	$8.40
Energy Charges							
First 800 kWh	$/kWh	0.0000000	G	0	0	0	0
	$/kWh	0.0182747	D	13.71	14.62	14.62	14.62
Over 800 kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0182747	D	0.00	3.65	12.79	21.93
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$22.11	$26.67	$35.81	$44.95
Universal Service Fund	$/kWh	0.0049462	D	3.71	4.95	7.42	9.89
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	3.49	4.65	6.98	9.30
(Next 13,000)	$/kWh	0.0041900	D	0.00	0.00	0.00	0.00
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154	D	3.99	5.32	7.97	10.63
Basic Transmission Rider	$/kWh	0.0128713	T	9.65	12.87	19.31	25.74
Transmission Cost Recovery	$/kWh	0.0015898	T	1.19	1.59	2.38	3.18
Transmission Under-Recovery	$/kWh	0.0003295	T	0.25	0.33	0.49	0.66
AER	$/kWh	0.0009930	G	0.74	0.99	1.49	1.99
Auction Cost Recovery Rider	$/kWh	0.0003686	G	0.28	0.37	0.55	0.74
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	34.74	46.32	69.48	92.64
GENC	$/kWh	0.0142100	G	10.66	14.21	21.32	28.42
Pilot Throughput Balance Adjustment	$/kWh	0.0017270	D	1.30	1.73	2.59	3.45
Distribution Investment Rider	%	25.58994%	D	5.66	6.82	9.16	11.50
EE&PDR Cost Recovery Rider	%	0.0045666	D	3.42	4.57	6.85	9.13
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(0.03)	(0.04)	(0.05)	(0.06)
Enhanced Service Reliability Rider	%	7.34119%	D	1.62	1.96	2.63	3.30
Deferred Asset Phase-In Rider	%	7.66000%	D	1.69	2.04	2.74	3.44
Residential Credit Rider	%	-3.58070%	D	(0.79)	(0.95)	(1.28)	(1.61)
gridSMART[SM] Phase 1	$/mo.	1.01	D	1.01	1.01	1.01	1.01
Placeholder 1				0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00
Total G				46.42	61.89	92.83	123.79
Total T				11.09	14.79	22.18	29.58
Total D				47.18	58.73	81.83	104.93
Total Bill				$104.70	$135.42	$196.85	$258.30

RESIDENTIAL - RR Winter (Cont'd.)

Bill Calculations		Rate Schedule Charges		3,000 kWh	5,000 kWh	7,500 kWh
Customer Charge	$/mo.	8.4	D	$8.40	$8.40	$8.40
Energy Charges						
First 800 kWh	$/kWh	0.0000000	G	0	0	0
	$/kWh	0.0182747	D	14.62	14.62	14.62
Over 800 kWh	$/kWh	0.0000000	G	0	0	0
	$/kWh	0.0182747	D	40.2	76.75	122.44
Subtotal			G	$0.00	$0.00	$0.00
			D	$63.22	$99.77	$145.46
Universal Service Fund	$/kWh	0.0049462	D	14.84	24.73	37.10
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.0041900	D	4.19	12.57	23.05
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154	D	15.95	26.58	39.87
Basic Transmission Rider	$/kWh	0.0128713	T	38.61	64.36	96.53
Transmission Cost Recovery	$/kWh	0.0015898	T	4.77	7.95	11.92
Transmission Under-Recovery	$/kWh	0.0003295	T	0.99	1.65	2.47
AER	$/kWh	0.0009930	G	2.98	4.97	7.45
Auction Cost Recovery Rider	$/kWh	0.0003686	G	1.11	1.84	2.76
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	138.96	231.60	347.40
GENC	$/kWh	0.0142100	G	42.63	71.05	106.58
Pilot Throughput Balance Adjustment	$/kWh	0.0017270		5.18	8.64	12.95
Distribution Investment Rider	%	25.58994%	D	16.18	25.53	37.22
EE&PDR Cost Recovery Rider	%	0.0045666	D	13.70	22.83	34.25
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(0.09)	(0.14)	(0.20)
Enhanced Service Reliability Rider	%	0.0734119	D	4.64	7.32	10.68
Deferred Asset Phase-In Rider	%	0.0766000	D	4.84	7.64	11.14
Residential Credit Rider	%	-0.0358070	D	(2.26)	(3.57)	(5.21)
gridSMART^{SM} Phase 1	$/mo.	1.01	D	1.01	1.01	1.01
Placeholder 1				0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00
Total G				185.68	309.46	464.18
Total T				44.37	73.96	110.92
Total D				150.70	242.21	356.62
Total Bill				380.75	625.63	931.72

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

GS1		Rate Schedule Charges	kW kWh	3 375	3 1,000	6 750	6 2,000
Bill Calculations							
Customer Charge	$/mo.	6.47	D	6.47	6.47	6.47	6.47
Energy Charges							
First 1000 kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0147707	D	5.54	14.77	11.08	14.77
All other kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0147707	D	0.00	0.00	0.00	14.77
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$12.01	$21.24	$17.55	$36.01
Universal Service Fund	$/kWh	0.0049462	D	1.85	4.95	3.71	9.89
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	1.74	4.65	3.49	9.30
(Next 13,000)	$/kWh	0.0041900	D	0.00	0.00	0.00	0.00
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0034143	D	1.28	3.41	2.56	6.83
Basic Transmission Rider	$/kWh	0.0096835	T	3.63	9.68	7.26	19.37
Transmission Cost Recovery	$/kWh	0.0003383	T	0.13	0.34	0.25	0.68
Transmission Under-Recovery	$/kWh	0.0002104	T	0.08	0.21	0.16	0.42
AER	$/kWh	0.0009930	G	0.37	0.99	0.74	1.99
Auction Cost Recovery Rider	$/kWh	0.0003686	G	0.14	0.37	0.28	0.74
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	17.37	46.32	34.74	92.64
GENC	$/kWh	0.0110900	G	4.16	11.09	8.32	22.18
Pilot Throughput Balance Adjustment	$/kWh	0.0006763	D	0.25	0.68	0.51	1.35
Distribution Investment Rider	%	25.58994%	D	3.07	5.44	4.49	9.21
EE&PDR Cost Recovery Rider	$/kWh	0.0033390	D	1.25	3.34	2.50	6.68
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(0.02)	(0.03)	(0.02)	(0.05)
Enhanced Service Reliability Rider	%	7.34119%	D	0.88	1.56	1.29	2.64
Deferred Asset Phase-In Rider	%	7.66000%	D	0.92	1.63	1.34	2.76
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22
Placeholder 1				0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00
Total G				22.04	58.77	44.08	117.55
Total T				3.84	10.23	7.67	20.47
Total D				27.45	51.09	41.64	88.84
Total Bill				53.33	120.09	93.40	226.85

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

GS2 - Secondary		Rate	kW	12	12	30	30	40	40
		Schedule	kWh	1,500	4,000	6,000	10,000	10,000	14,000
Bill Calculations		Charges							
Customer Charge	$/mo.	9.04	D	$9.04	$9.04	$9.04	$9.04	$9.04	$9.04
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.033	D	48.40	48.40	120.99	120.99	161.32	161.32
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$57.44	$57.44	$130.03	$130.03	$170.36	$170.36
Universal Service Fund	$/kWh	0.0049462	D	7.42	19.78	29.68	49.46	49.46	69.25
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	6.98	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.0041900	D	0.00	8.38	16.76	33.52	33.52	50.28
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0033897	D	5.08	13.56	20.34	33.90	33.90	47.46
Basic Transmission Rider	$/kWh	0.0003839	T	0.58	1.54	2.30	3.84	3.84	5.37
Basic Transmission Rider	$/kW	3.31	T	39.72	39.72	99.30	99.30	132.40	132.40
Transmission Cost Recovery	$/kWh	0.0000478	T	0.07	0.19	0.29	0.48	0.48	0.67
Transmission Cost Recovery	$/kW	0.07	T	0.84	0.84	2.10	2.10	2.80	2.80
Transmission Under-Recovery	$/kWh	0.0000858	T	0.13	0.34	0.51	0.86	0.86	1.20
Transmission Under-Recovery	$/kW	0.03	T	0.36	0.36	0.90	0.90	1.20	1.20
AER	$/kWh	0.0009930	G	1.49	3.97	5.96	9.93	9.93	13.90
Auction Cost Recovery Rider	$/kWh	0.0003686	G	0.55	1.47	2.21	3.69	3.69	5.16
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	69.48	185.28	277.92	463.20	463.20	648.48
GENC	$/kWh	0.0116000	G	17.40	46.40	69.60	116.00	116.00	162.40
Distribution Investment Rider	%	25.58994%	D	$14.70	$14.70	$33.27	$33.27	$43.60	$43.60
EE&PDR Cost Recovery Rider	$/kWh	0.0033390	D	5.01	13.36	20.03	33.39	33.39	46.75
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(0.08)	(0.08)	(0.18)	(0.18)	(0.23)	(0.23)
Enhanced Service Reliability Rider	%	7.34119%	D	4.22	4.22	9.55	9.55	12.51	12.51
Deferred Asset Phase-In Rider	%	7.66000%	D	4.40	4.40	9.96	9.96	13.05	13.05
gridSMART℠ Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22	4.22
Placeholder 1				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00	0.00
Total G				88.92	237.12	355.69	592.82	592.82	829.94
Total T				41.70	42.99	105.40	107.48	141.58	143.64
Total D				109.39	149.28	282.96	346.42	403.07	466.54
Total Bill				$240.01	$429.39	$744.05	$1,046.72	$1,137.47	$1,440.13

GS2 - Secondary (Cont'd.)		Rate	kW	50	50	75	150	300	500
		Schedule	kWh	12,500	18,000	15,000	30,000	60,000	100,000
Bill Calculations		Charges							
Customer Charge	$/mo.	9.04	D	$9.04	$9.04	$9.04	$9.04	$9.04	$9.04
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.033	D	201.65	201.65	302.48	604.95	1,209.90	2,016.50
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$210.69	$210.69	$311.52	$613.99	$1,218.94	$2,025.54
Universal Service Fund	$/kWh	0.0049462	D	61.83	89.03	74.19	148.39	296.77	494.62
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	9.30	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.0041900	D	44.00	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.0036300	D	0.00	10.89	0.00	54.45	163.35	308.55
Retail Stability Rider	$/kWh	0.0033897	D	42.37	61.01	50.85	101.69	203.38	338.97
Basic Transmission Rider	$/kWh	0.0003839	T	4.80	6.91	5.76	11.52	23.03	38.39
Basic Transmission Rider	$/kW	3.31	T	165.50	165.50	248.25	496.50	993.00	1655.00
Transmission Cost Recovery	$/kWh	0.0000478	T	0.60	0.86	0.72	1.43	2.87	4.78
Transmission Cost Recovery	$/kW	0.07	T	3.50	3.50	5.25	10.50	21.00	35.00
Transmission Under-Recovery	$/kWh	0.0000858	T	1.07	1.54	1.29	2.57	5.15	8.58
Transmission Under-Recovery	$/kW	0.030	T	1.50	1.50	2.25	4.50	9.00	15.00
AER	$/kWh	0.0009930	G	12.41	17.87	14.90	29.79	59.58	99.30
Auction Cost Recovery Rider	$/kWh	0.0003686	G	4.61	6.63	5.53	11.06	22.12	36.86
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	579.00	833.76	694.80	1389.60	2779.20	4632.00
GENC	$/kWh	0.0116000	G	145.00	208.80	174.00	348.00	696.00	1160.00
Distribution Investment Rider	%	25.58994%	D	53.92	53.92	79.72	157.12	311.93	518.33
EE&PDR Cost Recovery Rider	$/kWh	0.0033390	D	41.74	60.10	50.09	100.17	200.34	333.90
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(0.29)	(0.29)	(0.43)	(0.84)	(1.66)	(2.76)
Enhanced Service Reliability Rider	%	7.34119%	D	15.47	15.47	22.87	45.07	89.48	148.70
Deferred Asset Phase-In Rider	%	7.66000%	D	16.14	16.14	23.86	47.03	93.37	155.16
gridSMART℠ Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22	4.22
Placeholder 1				0.00	0.00	0.00	0.00	0.00	0.00

Placeholder 2	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6	0.00	0.00	0.00	0.00	0.00	0.00
Total G	741.02	1,067.06	889.23	1,778.45	3,556.90	5,928.16
Total T	176.97	179.81	263.52	527.02	1,054.05	1,756.75
Total D	499.38	584.94	680.66	1,335.06	2,643.89	4,389.00
Total Bill	$1,417.38	$1,831.82	$1,833.41	$3,640.53	$7,254.84	$12,073.91

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

GS2 - Primary

Bill Calculations		Rate Schedule Charges	kW kWh	1,000 100,000
Customer Charge	$/mo.	115.29	D	$115.29
Energy Charges	$/kWh	0.0000000	G	0.00
	$/kWh	0.0000000	D	0.00
Demand Charges	$/kW	3.183	D	3,183.00
Subtotal			G	0.00
				3,298.29
Universal Service Fund	$/kWh	0.0049462	D	494.62
Advanced Energy Fund Rider	$/mo.	0.0000000	D	-
KWH Tax (First 2,000)	$/kWh	0.0046500	D	9.30
(Next 13,000)	$/kWh	0.0041900	D	54.47
(Over 15,000)	$/kWh	0.0036300	D	308.55
Retail Stability Rider	$/kWh	0.0033897	D	338.97
Basic Transmission Rider	$/kWh	0.0003706	T	37.06
Basic Transmission Rider	$/kW	3.44	T	3,440.00
Transmission Cost Recovery	$/kWh	0.0000461	T	4.61
Transmission Cost Recovery	$/kW	0.07	T	70.00
Transmission Under-Recovery	$/kWh	0.0000828	T	8.28
Transmission Under-Recovery	$/kW	0.03	T	30.00
AER	$/kWh	0.0009585	G	95.85
Auction Cost Recovery Rider	$/kWh	0.0003686	G	36.86
APIR & FCR	$/kWh		G	-
GENE	$/kWh	0.0447100	G	4,471.00
GENC	$/kWh	0.0098100	G	981.00
Distribution Investment Rider	%	25.58994%	D	844.03
EE&PDR Cost Recovery Rider	$/kWh	0.0033390	D	333.90
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(4.50)
Enhanced Service Reliability Rider	%	7.34119%	D	242.13
Deferred Asset Phase-In Rider	%	7.66000%	D	252.65
gridSMART[SM] Phase 1	$/mo.	4.22	D	4.22
Placeholder 1				0.00
Placeholder 2				0.00
Placeholder 3				0.00
Placeholder 4				0.00
Placeholder 5				0.00
Placeholder 6				0.00
Total G				5,584.71
Total T				3,589.95
Total D				6,176.63
Total Bill				$15,351.29

GS3 - Secondary

Bill Calculations		Ex. kVA Rate Schedule Charges	kW kWh	75 30,000	75 50,000	100 30,000	100 36,000	150 60,000	150 100,000
Customer Charge	$/mo.	9.04	D	$9.04	$9.04	$9.04	$9.04	$9.04	$9.04
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.000	G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kW	4.033	D	302.48	302.48	403.30	403.30	604.95	604.95
*Excess kVa Charges	$/kVa	0.863	D	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$311.52	$311.52	$412.34	$412.34	$613.99	$613.99
Universal Service Fund	$/kWh	0.0049462	D	148.39	247.31	148.39	178.06	296.77	494.62
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	9.30	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.0041900	D	54.47	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.0036300	D	54.45	127.05	54.45	76.23	163.35	308.55
Retail Stability Rider	$/kWh	0.0033897	D	101.69	169.49	101.69	122.03	203.38	338.97
Basic Transmission Rider	$/kWh	0.0003839	T	11.52	19.20	11.52	13.82	23.03	38.39
Basic Transmission Rider	$/kW	3.31	T	248.25	248.25	331.00	331.00	496.50	496.50
Transmission Cost Recovery	$/kWh	0.0000484	T	1.45	2.42	1.45	1.74	2.90	4.84
Transmission Cost Recovery	$/kW	0.10	T	7.50	7.50	10.00	10.00	15.00	15.00
Transmission Under-Recovery	$/kWh	0.0000868	T	2.60	4.34	2.60	3.12	5.21	8.68
Transmission Under-Recovery	$/kW	0.05	T	3.75	3.75	5.00	5.00	7.50	7.50
AER	$/kWh	0.0009930	G	29.79	49.65	29.79	35.75	59.58	99.30
Auction Cost Recovery Rider	$/kWh	0.0003686	G	11.06	18.43	11.06	13.27	22.12	36.86
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	1389.60	2316.00	1389.60	1667.52	2779.20	4632.00
GENC	$/kWh	0.0116000	G	348.00	580.00	348.00	417.60	696.00	1160.00
Distribution Investment Rider	$/kWh	25.58994%	D	79.72	79.72	105.52	105.52	157.12	157.12
EE&PDR Cost Recovery Rider	$/kWh	0.0033390	D	100.17	166.95	100.17	120.20	200.34	333.90
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(0.43)	(0.43)	(0.56)	(0.56)	(0.84)	(0.84)
Enhanced Service Reliability Rider	%	7.34119%	D	22.87	22.87	30.27	30.27	45.07	45.07
Deferred Asset Phase-In Rider	%	7.66000%	D	23.86	23.86	31.59	31.59	47.03	47.03
gridSMART[SM] Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22	4.22
Placeholder 1				0.00	0.00	0.00	0.00	0.00	0.00

Placeholder 2	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6	0.00	0.00	0.00	0.00	0.00	0.00
Total G	1,778.45	2,964.08	1,778.45	2,134.14	3,556.90	5,928.16
Total T	275.07	285.46	361.57	364.68	550.14	570.91
Total D	910.23	1,216.33	1,051.84	1,143.66	1,794.20	2,406.40
Total Bill	$2,963.75	$4,465.87	$3,191.86	$3,642.48	$5,901.24	$8,905.47

* KVA in excess of the greater of 100 KVA or 115% of metered kW.

Edison Electric Institute

Typical Net Monthly Bills

0

Columbus Southern Rate Zone

GS3 - Secondary (Cont'd.)

<u>Bill Calculations</u>

		Ex. kVA Rate Schedule Charges	kW kWh	300 90,000	300 120,000	300 150,000	300 200,000
Customer Charge	$/mo.	9.04	D	$9.04	$9.04	$9.04	$9.04
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.000	G	0.00	0.00	0.00	0.00
	$/kW	4.033	D	1,209.90	1,209.90	1,209.90	1,209.90
*Excess kVa Charges	$/kVa	0.863	D	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$1,218.94	$1,218.94	$1,218.94	$1,218.94
Universal Service Fund	$/kWh	0.0049462	D	445.16	593.54	741.93	989.24
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	272.25	381.15	490.05	671.55
Retail Stability Rider	$/kWh	0.0033897	D	305.07	406.76	508.46	677.94
Basic Transmission Rider	$/kWh	0.0003839	T	34.55	46.07	57.59	76.78
Basic Transmission Rider	$/kW	3.31	T	993.00	993.00	993.00	993.00
Transmission Cost Recovery	$/kWh	0.0000484	T	4.36	5.81	7.26	9.68
Transmission Cost Recovery	$/kW	0.10	T	30.00	30.00	30.00	30.00
Transmission Under-Recovery	$/kWh	0.0000868	T	7.81	10.42	13.02	17.36
Transmission Under-Recovery	$/kW	0.05	T	15.00	15.00	15.00	15.00
AER	$/kWh	0.0009930	G	89.37	119.16	148.95	198.60
Auction Cost Recovery Rider	$/kWh	0.0003686	G	33.17	44.23	55.29	73.72
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	4168.80	5558.40	6948.00	9264.00
GENC	$/kWh	0.0116000	G	1044.00	1392.00	1740.00	2320.00
Distribution Investment Rider	$/kWh	25.58994%	D	311.93	311.93	311.93	311.93
EE&PDR Cost Recovery Rider	$/kWh	0.0033390	D	300.51	400.68	500.85	667.80
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(1.66)	(1.66)	(1.66)	(1.66)
Enhanced Service Reliability Rider	%	7.34119%	D	89.48	89.48	89.48	89.48
Deferred Asset Phase-In Rider	%	7.66000%	D	93.37	93.37	93.37	93.37
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22
Placeholder 1				0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00
Total G				5,335.34	7,113.79	8,892.24	11,856.32
Total T				1,084.72	1,100.30	1,115.87	1,141.82
Total D				3,103.04	3,562.18	4,021.34	4,786.58
Total Bill				$9,523.10	$11,776.27	$14,029.45	$17,784.72

GS3 - Secondary (Cont'd.)

<u>Bill Calculations</u>

		Ex. kVA Rate Schedule Charges	kW kWh	500 150,000	500 180,000	500 200,000	500 325,000
Customer Charge	$/mo.	9.04	D	$9.04	$9.04	$9.04	$9.04
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.000	G	0.00	0.00	0.00	0.00
	$/kW	4.033	D	2,016.50	2,016.50	2,016.50	2,016.50
*Excess kVa Charges	$/kVa	0.863	D	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$2,025.54	$2,025.54	$2,025.54	$2,025.54
Universal Service Fund	$/kWh	0.0049462	D	741.93	890.32	989.24	1607.52
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	490.05	598.95	671.55	1125.30
Retail Stability Rider	$/kWh	0.0033897	D	508.46	610.15	677.94	1101.65
Basic Transmission Rider	$/kWh	0.0003839	T	57.59	69.10	76.78	124.77
Basic Transmission Rider	$/kW	3.31	T	1655.00	1655.00	1655.00	1655.00
Transmission Cost Recovery	$/kWh	0.0000484	T	7.26	8.71	9.68	15.73
Transmission Cost Recovery	$/kW	0.10	T	50.00	50.00	50.00	50.00
Transmission Under-Recovery	$/kWh	0.0000868	T	13.02	15.62	17.36	28.21
Transmission Under-Recovery	$/kW	0.05	T	25.00	25.00	25.00	25.00
AER	$/kWh	0.0009930	G	148.95	178.74	198.60	322.73
Auction Cost Recovery Rider	$/kWh	0.0003686	G	55.29	66.35	73.72	119.80
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	6948.00	8337.60	9264.00	15054.00
GENC	$/kWh	0.0116000	G	1740.00	2088.00	2320.00	3770.00
Distribution Investment Rider	$/kWh	25.58994%	D	518.33	518.33	518.33	518.33

EE&PDR Cost Recovery Rider	$/kWh	0.0033390	D	500.85	601.02	667.80	1085.18
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(2.76)	(2.76)	(2.76)	(2.76)
Enhanced Service Reliability Rider	%	7.34119%	D	148.70	148.70	148.70	148.70
Deferred Asset Phase-In Rider	%	7.66000%	D	155.16	155.16	155.16	155.16
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22
Placeholder 1							
Placeholder 2							
Placeholder 3							
Placeholder 4							
Placeholder 5							
Placeholder 6							
Total G				8,892.24	10,670.69	11,856.32	19,266.53
Total T				1,807.87	1,823.43	1,833.82	1,898.71
Total D				5,154.25	5,613.40	5,919.49	7,832.61
Total Bill				$15,854.36	$18,107.52	$19,609.63	$28,997.85

* KVA in excess of the greater of 100 KVA or 115% of metered kW.

Edison Electric Institute

0

Columbus Southern Rate Zone

GS3 - Primary

Bill Calculations		Ex. kVA Rate Schedule Charges	kW kWh	1,000 300,000	1,000 360,000	1,000 400,000	1,000 650,000
Customer Charge	$/mo.	115.29	D	$115.29	$115.29	$115.29	$115.29
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
		0.0000000	D	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.000	G	0.00	0.00	0.00	0.00
	$/kW	3.183	D	3,183.00	3,183.00	3,183.00	3,183.00
*Excess kVa Charges	$/kVa	0.835	D	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$3,298.29	$3,298.29	$3,298.29	$3,298.29
Universal Service Fund	$/kWh	0.0049462	D	1483.86	1780.63	1978.48	3215.03
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	1034.55	1252.35	1397.55	2305.05
Retail Stability Rider	$/kWh	0.0033897	D	1016.91	1220.29	1355.88	2203.31
Basic Transmission Rider	$/kWh	0.0003706	T	111.18	133.42	148.24	240.89
Basic Transmission Rider	$/kW	3.44	T	3440.00	3440.00	3440.00	3440.00
Transmission Cost Recovery	$/kWh	0.0000467	T	14.01	16.81	18.68	30.36
Transmission Cost Recovery	$/kW	0.10	T	100.00	100.00	100.00	100.00
Transmission Under-Recovery	$/kWh	0.0000838	T	25.14	30.17	33.52	54.47
Transmission Under-Recovery	$/kW	0.05	T	50.00	50.00	50.00	50.00
AER	$/kWh	0.0009585	G	287.55	345.06	383.40	623.03
Auction Cost Recovery Rider	$/kWh	0.0003686	G	110.58	132.70	147.44	239.59
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0447100	G	13413.00	16095.60	17884.00	29061.50
GENC	$/kWh	0.0098100	G	2943.00	3531.60	3924.00	6376.50
Distribution Investment Rider	$/kWh	25.58994%	D	844.03	844.03	844.03	844.03
EE&PDR Cost Recovery Rider	$/kWh	0.0033390	D	1001.70	1202.04	1335.60	2170.35
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(4.50)	(4.50)	(4.50)	(4.50)
Enhanced Service Reliability Rider	%	7.34119%	D	242.13	242.13	242.13	242.13
Deferred Asset Phase-In Rider	%	7.66000%	D	252.65	252.65	252.65	252.65
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22
Placeholder 1							
Placeholder 2							
Placeholder 3							
Placeholder 4							
Placeholder 5							
Placeholder 6							
Total G				16,754.13	20,104.96	22,338.84	36,300.62
Total T				3,740.33	3,770.40	3,790.44	3,915.72
Total D				9,237.61	10,155.90	10,768.10	14,594.33
Total Bill				$29,732.07	$34,031.26	$36,897.38	$54,810.66

GS4

Bill Calculations		Rate Schedule Charges	kVAR kVA kW kWh	5,000 5,000 1,500,000	5,000 5,000 2,500,000	5,000 5,000 3,250,000
Customer Charge	$/mo.	1060.00	D	$1,060.00	$1,060.00	$1,060.00
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00
		0.0000000	D	0.00	0.00	0.00
*Excess kVar Charges	$/kVa	0.480	D	0.00	0.00	0.00
Demand Charges						

First 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00
Over 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00
			D	$1,060.00	$1,060.00	$1,060.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0049462	D	4,120.18	4,120.18	4,120.18
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001830	D	122.06	305.06	442.31
Advanced Energy Fund Rider	*$/mo.*	*0.0000000*	*D*	*0.00*	*0.00*	*0.00*
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	5,390.55	9,020.55	11,743.05
Retail Stability Rider	$/kWh	0.0033897	D	5,084.55	8,474.25	11,016.53
Basic Transmission Rider	$/kWh	0.0003632	T	544.80	908.00	1,180.40
Basic Transmission Rider	$/kW	3.38	T	16,900.00	16,900.00	16,900.00
Transmission Cost Recovery	$/kWh	0.0002250	T	337.50	562.50	731.25
Transmission Cost Recovery	$/kVa	0.34	T	1,700.00	1,700.00	1,700.00
Transmission Under-Recovery	$/kWh	0.0000854	T	128.10	213.50	277.55
Transmission Under-Recovery	$/kW	0.05	T	250.00	250.00	250.00
AER	$/kWh	0.0009394	G	1,409.10	2,348.50	3,053.05
Auction Cost Recovery Rider	$/kWh	0.0003686	G	552.90	921.50	1,197.95
APIR & FCR	$/kWh		G	0.00	0.00	0.00
GENE	$/kWh	0.0438100	G	65,715.00	109,525.00	142,382.50
GENC	$/kWh	0.0039000	G	5,850.00	9,750.00	12,675.00
Distribution Investment Rider	$/kWh	25.58994%	D	271.25	271.25	271.25
EE&PDR Cost Recovery Rider	$/kWh	0.0009533	D	1,429.95	2,383.25	3,098.23
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(1.45)	(1.45)	(1.45)
Enhanced Service Reliability Rider	%	7.34119%	D	77.82	77.82	77.82
Deferred Asset Phase-In Rider	%	7.66000%	D	81.20	81.20	81.20
gridSMART[SM] Phase 1	$/mo.	4.22	D	4.22	4.22	4.22
Placeholder 1						
Placeholder 2						
Placeholder 3						
Placeholder 4						
Placeholder 5						
Placeholder 6						
Total G				73,527.00	122,545.00	159,308.50
Total T				19,860.40	20,534.00	21,039.20
Total D				17,704.10	25,860.10	31,977.11
Total Bill				$111,091.50	$168,939.10	$212,324.81

* KVA in excess of the greater of 100 KVA or 115% of metered kW.

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

0

GS4 (Cont'd.)

Bill Calculations		Rate Schedule Charges	kVAR kVA kW kWh	10,000 3,000,000	10,000 5,000,000	10,000 6,500,000	20,000 6,000,000	20,000 10,000,000
Customer Charge	$/mo.	1060.00	D	$1,060.00	$1,060.00	$1,060.00	$1,060.00	$1,060.00
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00
*Excess kVar Charges	$/kVa	0.480	D	0.00	0.00	0.00	0.00	0.00
Demand Charges								
First 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00	0.00	0.00
Over 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$1,060.00	$1,060.00	$1,060.00	$1,060.00	$1,060.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0049462	D	4,120.18	4,120.18	4,120.18	4,120.18	4,120.18
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001830	D	396.56	762.56	1,037.06	945.56	1,677.56
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	10,835.55	18,095.55	23,540.55	21,725.55	36,245.55
Retail Stability Rider	$/kWh	0.0033897	D	10,169.10	16,948.50	22,033.05	20,338.20	33,897.00
Basic Transmission Rider	$/kWh	0.0003632	T	1,089.60	1,816.00	2,360.80	2,179.20	3,632.00
Basic Transmission Rider	$/kW	3.38	T	33,800.00	33,800.00	33,800.00	67,600.00	67,600.00
Transmission Cost Recovery	$/kWh	0.0002250	T	675.00	1,125.00	1,462.50	1,350.00	2,250.00
Transmission Cost Recovery	$/kVa	0.34	T	3,400.00	3,400.00	3,400.00	6,800.00	6,800.00
Transmission Under-Recovery	$/kWh	0.0000854	T	256.20	427.00	555.10	512.40	854.00
Transmission Under-Recovery	$/kW	0.05	T	500.00	500.00	500.00	1,000.00	1,000.00
AER	$/kWh	0.0009394	G	2,818.20	4,697.00	6,106.10	5,636.40	9,394.00
Auction Cost Recovery Rider	$/kWh	0.0003686	G	1,105.80	1,843.00	2,395.90	2,211.60	3,686.00
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0438100	G	131,430.00	219,050.00	284,765.00	262,860.00	438,100.00
GENC	$/kWh	0.0039000	G	11,700.00	19,500.00	25,350.00	23,400.00	39,000.00

Distribution Investment Rider	$/kWh	25.58994%	D	271.25	271.25	271.25	271.25	271.25
EE&PDR Cost Recovery Rider	$/kWh	0.0009533	D	2,859.90	4,766.50	6,196.45	5,719.80	9,533.00
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(1.45)	(1.45)	(1.45)	(1.45)	(1.45)
Enhanced Service Reliability Rider	%	7.34119%	D	77.82	77.82	77.82	77.82	77.82
Deferred Asset Phase-In Rider	%	7.66000%	D	81.20	81.20	81.20	81.20	81.20
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22
Placeholder 1								
Placeholder 2								
Placeholder 3								
Placeholder 4								
Placeholder 5								
Placeholder 6								
Total G				147,054.0	245,090.0	318,617.0	294,108.0	490,180.0
Total T				39,720.80	41,068.00	42,078.40	79,441.60	82,136.00
Total D				29,938.10	46,250.10	58,484.10	54,406.10	87,030.10
Total Bill				$216,712.90	$332,408.10	$419,179.50	$427,955.70	$659,346.10

GS4 (Cont'd.)

Bill Calculations		Rate Schedule Charges	kVAR kVA kW kWh	20,000 13,000,000	50,000 15,000,000	50,000 25,000,000	50,000 32,500,000
Customer Charge	$/mo.	1060.00	D	$1,060.00	$1,060.00	$1,060.00	$1,060.00
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00
*Excess kVar Charges	$/kVa	0.480	D	0.00	0.00	0.00	0.00
Demand Charges							
First 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00	0.00
Over 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$1,060.00	$1,060.00	$1,060.00	$1,060.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0049462	D	4,120.18	4,120.18	4,120.18	4,120.18
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001830	D	2,226.56	2,592.56	4,422.56	5,795.06
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	47,135.55	54,395.55	90,695.55	117,920.55
Retail Stability Rider	$/kWh	0.0033897	D	44,066.10	50,845.50	84,742.50	110,165.25
Basic Transmission Rider	$/kWh	0.0003632	T	4,721.60	5,448.00	9,080.00	11,804.00
Basic Transmission Rider	$/kW	3.38	T	67,600.00	169,000.00	169,000.00	169,000.00
Transmission Cost Recovery	$/kWh	0.0002250	T	2,925.00	3,375.00	5,625.00	7,312.50
Transmission Cost Recovery	$/kVa	0.34	T	6,800.00	17,000.00	17,000.00	17,000.00
Transmission Under-Recovery	$/kWh	0.0000854	T	1,110.20	1,281.00	2,135.00	2,775.50
Transmission Under-Recovery	$/kW	0.05	T	1,000.00	2,500.00	2,500.00	2,500.00
AER	$/kWh	0.0009394	G	12,212.20	14,091.00	23,485.00	30,530.50
Auction Cost Recovery Rider	$/kWh	0.0003686	G	4,791.80	5,529.00	9,215.00	11,979.50
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0438100	G	569,530.00	657,150.00	1,095,250.00	1,423,825.00
GENC	$/kWh	0.0039000	G	50,700.00	58,500.00	97,500.00	126,750.00
Distribution Investment Rider	$/kWh	25.58994%	D	271.25	271.25	271.25	271.25
EE&PDR Cost Recovery Rider	$/kWh	0.0009533	D	12,392.90	14,299.50	23,832.50	30,982.25
Econ Dev Cost Recovery Rider	%	-0.0013648	D	(1.45)	(1.45)	(1.45)	(1.45)
Enhanced Service Reliability Rider	%	7.34119%	D	77.82	77.82	77.82	77.82
Deferred Asset Phase-In Rider	%	7.66000%	D	81.20	81.20	81.20	81.20
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22
Placeholder 1							
Placeholder 2							
Placeholder 3							
Placeholder 4							
Placeholder 5							
Placeholder 6							
Total G				637,234.0	735,270.0	1,225,450.0	1,593,085.0
Total T				84,156.80	198,604.00	205,340.00	210,392.00
Total D				111,498.10	127,810.10	209,370.10	270,540.10
Total Bill				$832,888.90	$1,061,684.10	$1,640,160.10	$2,074,017.10

Edison Electric Institute
Typical Net Monthly Bills

Columbus Southern Rate Zone

RESIDENTIAL - RR1		Rate Schedule Charges		100 kWh	250 kWh	500 kWh		
Bill Calculations								
Customer Charge	$/mo.	8.40	D	$8.40	$8.40	$8.40		
*Energy Charges								
First 800 kWh	$/kWh	0.0000000	G	0.00	0	0		
	$/kWh	0.0182747	D	1.83	4.57	9.14		
Over 800 kWh	$/kWh	0.0000000	G	0	0	0		
	$/kWh	0.0182747	D	0	0	0		
Subtotal			G	$0.00	$0.00	$0.00		
			D	$10.23	$12.97	$17.54		
Universal Service Fund	$/kWh	0.0049462	D	0.49	1.24	2.47		
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00		
KWH Tax (First 2,000)	$/kWh	0.00465	D	0.47	1.16	2.33		
(Next 13,000)	$/kWh	0.00419	D	0.00	0.00	0.00		
(Over 15,000)	$/kWh	0.00363	D	0.00	0.00	0.00		
Retail Stability Rider	$/kWh	0.0053154	D	0.53	1.33	2.66		
SEET REFUND	$/kWh	0.0000000	D	0.00	0.00	0.00		
Basic Transmission Rider		0.0128713	T	1.29	3.22	6.44		
Transmission Cost Recovery	$/kWh	0.0015898	T	0.16	0.40	0.79		
Transmission Under-Recovery	$/kWh	0.0003295	T	0.03	0.08	0.16		
Auction Cost Recovery Rider		0.0003686	G	0.04	0.09	0.18	x	
APIR	$/kWh	[illegible]	G	0.00	0.00	0.00		
GENE		0.0463200	G	4.63	11.58	23.16		
GENC	$/kWh	0.0142100	G	1.42	3.55	7.11		
Distribution Investment Rider	%	25.58994%	D	2.62	3.32	4.49		
AER/PPA	$/kWh	0.0008710	G	0.09	0.22	0.44		
Pilot Throughput Balance Adjustment	$/kWh	0.0017270	D	0.17	0.43	0.86		
EE&PDR Cost Recovery Rider	$/kWh	0.0044724	D	0.45	1.12	2.24		
Econ Dev Cost Recovery Rider	%	2.98104%	D	0.30	0.39	0.52		3.11752%
Deferred Asset Phase-In Rider	%	7.66%	D	0.78	0.99	1.34		
Residential Credit Rider	%	-3.58070%	D	(0.37)	(0.46)	(0.63)		
Enhanced Service Reliability Rider	%	7.34119%	D	0.75	0.95	1.29		
gridSMART[SM] Phase 1	$/mo.	1.01	D	1.01	1.01	1.01		
FCR	$/kWh	[illegible]	G	0.00	0.00	0.00		
Placeholder 2				0.00	0.00	0.00		
Placeholder 3				0.00	0.00	0.00		
Placeholder 4				0.00	0.00	0.00		
Placeholder 5				0.00	0.00	0.00		
Placeholder 6				0.00	0.00	0.00		
Total G				6.18	15.44	30.88		
Total T				1.48	3.70	7.39		
Total D				17.44	24.45	36.13		
Total Bill				$25.10	$43.59	$74.40		

* Not applicable to customers who use more than 700 kWh during the summer months.

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

RESIDENTIAL - RR Winter Bill Calculations		Rate Schedule Charges		750 kWh	1,000 kWh	1,500 kWh	2,000 kWh
Customer Charge	$/mo.	8.40	D	$8.40	$8.40	$8.40	$8.40
Energy Charges							
First 800 kWh	$/kWh	0.0000000	G	0	0	0	0
	$/kWh	0.0182747	D	13.71	14.62	14.62	14.62
Over 800 kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0182747	D	0.00	3.65	12.79	21.93
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$22.11	$26.67	$35.81	$44.95
Universal Service Fund	$/kWh	0.0049462	D	3.71	4.95	7.42	9.89
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	3.49	4.65	6.98	9.30
(Next 13,000)	$/kWh	0.0041900	D	0.00	0.00	0.00	0.00
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154	D	3.99	5.32	7.97	10.63
Basic Transmisison Rider	$/kWh	0.0128713	T	9.65	12.87	19.31	25.74
Transmission Cost Recovery	$/kWh	0.0015898	T	1.19	1.59	2.38	3.18
Transmission Under-Recovery	$/kWh	0.0003295	T	0.25	0.33	0.49	0.66
AER/PPA	$/kWh	0.0008710	G	0.65	0.87	1.31	1.74
Auction Cost Recovery Rider	$/kWh	0.0003686	G	0.28	0.37	0.55	0.74
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	34.74	46.32	69.48	92.64
GENC 0.0142100	$/kWh	0.0142100	G	10.66	14.21	21.32	28.42
Pilot Throughput Balance Adjustment	$/kWh	0.0017270	D	1.30	1.73	2.59	3.45
Distribution Investment Rider	%	25.58994%	D	5.66	6.82	9.16	11.50
EE&PDR Cost Recovery Rider	$/kWh	0.0044724	D	3.35	4.47	6.71	8.94
Econ Dev Cost Recovery Rider	%	0.0298104	D	0.66	0.80	1.07	1.34
Enhanced Service Reliability Rider	%	7.34119%	D	1.62	1.96	2.63	3.30
Deferred Asset Phase-In Rider	%	7.66000%	D	1.69	2.04	2.74	3.44
Residential Credit Rider	%	-3.58070%	D	(0.79)	(0.95)	(1.28)	(1.61)
gridSMART[SM] Phase 1	$/mo.	1.01	D	1.01	1.01	1.01	1.01
FCR	$/kWh	0.000000000	G	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00
Total G				46.33	61.77	92.65	123.54
Total T				11.09	14.79	22.18	29.58
Total D				47.80	59.48	82.82	106.15
Total Bill				$105.22	$136.04	$197.65	$259.27

RESIDENTIAL - RR Winer (Cont'd.) Bill Calculations		Rate Schedule Charges		3,000 kWh	5,000 kWh	7,500 kWh
Customer Charge	$/mo.	8.4	D	$8.40	$8.40	$8.40
Energy Charges						
First 800 kWh	$/kWh	0.0000000	G	0	0	0
	$/kWh	0.0182747	D	14.62	14.62	14.62
Over 800 kWh	$/kWh	0.0000000	G	0	0	0
	$/kWh	0.0182747	D	40.2	76.75	122.44
Subtotal			G	$0.00	$0.00	$0.00
			D	$63.22	$99.77	$145.46
Universal Service Fund	$/kWh	0.0049462	D	14.84	24.73	37.10
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.0041900	D	4.19	12.57	23.05
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154	D	15.95	26.58	39.87
Basic Transmission Rider	$/kWh	0.0128713	T	38.61	64.36	96.53
Transmission Cost Recovery	$/kWh	0.0015898	T	4.77	7.95	11.92
Transmission Under-Recovery	$/kWh	0.0003295	T	0.99	1.65	2.47
AER/PPA	$/kWh	0.0006710	G	2.61	4.36	6.53
Auction Cost Recovery Rider	$/kWh	0.0003686	G	1.11	1.84	2.76
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	138.96	231.60	347.40
GENC 0.01421	$/kWh	0.0142100	G	42.63	71.05	106.58
Pilot Throughput Balance Adjustment	$/kWh	0.0017270	D	5.18	8.64	12.95
Distribution Investment Rider	%	25.58994%	D	16.18	25.53	37.22
EE&PDR Cost Recovery Rider	$/kWh	0.0044724	D	13.42	22.36	33.54
Econ Dev Cost Recovery Rider	%	0.0298104	D	1.88	2.97	4.34
Enhanced Service Reliability Rider	%	7.34119%	D	4.64	7.32	10.68
Deferred Asset Phase-In Rider	%	7.66000%	D	4.84	7.64	11.14
Residential Credit Rider	%	-3.58070%	D	(2.26)	(3.57)	(5.21)
gridSMART^{SM} Phase 1	$/mo.	1.01	D	1.01	1.01	1.01
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00
Total G				185.31	308.85	463.27
Total T				44.37	73.96	110.92
Total D				152.39	244.85	360.45
Total Bill				$382.08	$627.66	$934.64

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

RESIDENTIAL - RR Summer Bill Calculations		Rate Schedule Charges		750 kWh	1,000 kWh	1,500 kWh	2,000 kWh
Customer Charge	$/mo.	8.40	D	$8.40	$8.40	$8.40	$8.40
Energy Charges							
First 800 kWh	$/kWh	0.0000000	G	0	0	0	0
	$/kWh	0.0182747	D	13.71	14.62	14.62	14.62
Over 800 kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0182747	D	0.00	3.65	12.79	21.93
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$22.11	$26.67	$35.81	$44.95
Universal Service Fund	$/kWh	0.0049462	D	3.71	4.95	7.42	9.89
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	3.49	4.65	6.98	9.30
(Next 13,000)	$/kWh	0.0041900	D	0.00	0.00	0.00	0.00
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154	D	3.99	5.32	7.97	10.63
Basic Transmission Rider	$/kWh	0.0128713	T	9.65	12.87	19.31	25.74
Transmission Cost Recovery	$/kWh	0.0015898	T	1.19	1.59	2.38	3.18
Transmission Under-Recovery	$/kWh	0.0003295	T	0.25	0.33	0.49	0.66
AER/PPA	$/kWh	0.0008710	G	0.65	0.87	1.31	1.74
Auction Cost Recovery Rider	$/kWh	0.0003686	G	0.28	0.37	0.55	0.74
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	34.74	46.32	69.48	92.64
GENC	$/kWh	0.0142100	G	10.66	14.21	21.32	28.42
Pilot Throughput Balance Adjustment	$/kWh	0.0017270	D	1.30	1.73	2.59	3.45
Distribution Investment Rider	%	25.58994%	D	5.66	6.82	9.16	11.50
EE&PDR Cost Recovery Rider	%	0.0044724	D	3.35	4.47	6.71	8.94
Econ Dev Cost Recovery Rider	%	0.0298104	D	0.66	0.80	1.07	1.34
Enhanced Service Reliability Rider	%	7.34119%	D	1.62	1.96	2.63	3.30
Deferred Asset Phase-In Rider	%	7.66000%	D	1.69	2.04	2.74	3.44
Residential Credit Rider	%	-3.58070%	D	(0.79)	(0.95)	(1.28)	(1.61)
gridSMART^{SM} Phase 1	$/mo.	1.01	D	1.01	1.01	1.01	1.01
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00
Total G				46.33	61.77	92.65	123.54
Total T				11.09	14.79	22.18	29.58
Total D				47.80	59.47	82.81	106.14
Total Bill				$105.22	$136.03	$197.64	$259.27

RESIDENTIAL - RR Winter (Cont'd.)		Rate Schedule Charges		3,000 kWh	5,000 kWh	7,500 kWh
Bill Calculations						
Customer Charge	$/mo.	8.4	D	$8.40	$8.40	$8.40
Energy Charges						
First 800 kWh	$/kWh	0.0000000	G	0	0	0
	$/kWh	0.0182747	D	14.62	14.62	14.62
Over 800 kWh	$/kWh	0.0000000	G	0	0	0
	$/kWh	0.0182747	D	40.2	76.75	122.44
Subtotal			G	$0.00	$0.00	$0.00
			D	$63.22	$99.77	$145.46
Universal Service Fund	$/kWh	0.0049462	D	14.84	24.73	37.10
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.0041900	D	4.19	12.57	23.05
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154	D	15.95	26.58	39.87
Basic Transmission Rider	$/kWh	0.0128713	T	38.61	64.36	96.53
Transmission Cost Recovery	$/kWh	0.0015898	T	4.77	7.95	11.92
Transmission Under-Recovery	$/kWh	0.0003295	T	0.99	1.65	2.47
AER/PPA	$/kWh	0.0008710	G	2.61	4.36	6.53
Auction Cost Recovery Rider	$/kWh	0.0003686	G	1.11	1.84	2.76
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	138.96	231.60	347.40
GENC	$/kWh	0.0142100	G	42.63	71.05	106.58
Pilot Throughput Balance Adjustment	$/kWh	0.0017270		5.18	8.64	12.95
Distribution Investment Rider	%	25.58994%	D	16.18	25.53	37.22
EE&PDR Cost Recovery Rider	%	0.0044724	D	13.42	22.36	33.54
Econ Dev Cost Recovery Rider	%	0.0298104	D	1.88	2.97	4.34
Enhanced Service Reliability Rider	%	0.0734119	D	4.64	7.32	10.68
Deferred Asset Phase-In Rider	%	0.0766000	D	4.84	7.64	11.14
Residential Credit Rider	%	-0.0358070	D	(2.26)	(3.57)	(5.21)
gridSMART^{SM} Phase 1	$/mo.	1.01	D	1.01	1.01	1.01
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00
Total G				185.31	308.85	463.27
Total T				44.37	73.96	110.92
Total D				152.39	244.85	360.45
Total Bill				382.08	627.66	934.64

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

GS1 / Bill Calculations		Rate Schedule Charges	kW / kWh	3 / 375	3 / 1,000	6 / 750	6 / 2,000
Customer Charge	$/mo.	6.47	D	6.47	6.47	6.47	6.47
Energy Charges							
First 1000 kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0147707	D	5.54	14.77	11.08	14.77
All other kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0147707	D	0.00	0.00	0.00	14.77
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$12.01	$21.24	$17.55	$36.01
Universal Service Fund	$/kWh	0.0049462	D	1.85	4.95	3.71	9.89
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	1.74	4.65	3.49	9.30
(Next 13,000)	$/kWh	0.0041900	D	0.00	0.00	0.00	0.00
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0034143	D	1.28	3.41	2.56	6.83
Basic Transmission Rider	$/kWh	0.0096835	T	3.63	9.68	7.26	19.37
Transmission Cost Recovery	$/kWh	0.0003383	T	0.13	0.34	0.25	0.68
Transmission Under-Recovery	$/kWh	0.0002104	T	0.08	0.21	0.16	0.42
AER/PPA	$/kWh	0.0009180	G	0.34	0.92	0.69	1.84
Auction Cost Recovery Rider	$/kWh	0.0003686	G	0.14	0.37	0.28	0.74
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	17.37	46.32	34.74	92.64
GENC	$/kWh	0.0110900	G	4.16	11.09	8.32	22.18
Pilot Throughput Balance Adjustment	$/kWh	0.0006763	D	0.25	0.68	0.51	1.35
Distribution Investment Rider	%	25.58994%	D	3.07	5.44	4.49	9.21
EE&PDR Cost Recovery Rider	$/kWh	0.0030623	D	1.15	3.06	2.30	6.12
Econ Dev Cost Recovery Rider	%	0.0298104	D	0.36	0.63	0.52	1.07
Enhanced Service Reliability Rider	%	7.34119%	D	0.88	1.56	1.29	2.64
Deferred Asset Phase-In Rider	%	7.66000%	D	0.92	1.63	1.34	2.76
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00
Total G				22.01	58.70	44.03	117.40
Total T				3.84	10.23	7.67	20.47
Total D				27.73	51.47	41.98	89.40
Total Bill				53.58	120.39	93.68	227.26

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

GS2 - Secondary		Rate Schedule Charges							
Bill Calculations			kW	12	12	30	30	40	40
			kWh	1,500	4,000	6,000	10,000	10,000	14,000
Customer Charge	$/mo.	9.04	D	$9.04	$9.04	$9.04	$9.04	$9.04	$9.04
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.033	D	48.40	48.40	120.99	120.99	161.32	161.32
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$57.44	$57.44	$130.03	$130.03	$170.36	$170.36
Universal Service Fund	$/kWh	0.0049462	D	7.42	19.78	29.68	49.46	49.46	69.25
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	6.98	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.0041900	D	0.00	8.38	16.76	33.52	33.52	50.28
(Over 15,000)	$/kWh	0.0036300	D	0.00	0.00	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0033897	D	5.08	13.56	20.34	33.90	33.90	47.46
Basic Transmission Rider	$/kWh	0.0003839	T	0.58	1.54	2.30	3.84	3.84	5.37
Basic Transmission Rider	$/kW	3.31	T	39.72	39.72	99.30	99.30	132.40	132.40
Transmission Cost Recovery	$/kWh	0.0000478	T	0.07	0.19	0.29	0.48	0.48	0.67
Transmission Cost Recovery	$/kW	0.07	T	0.84	0.84	2.10	2.10	2.80	2.80
Transmission Under-Recovery	$/kWh	0.0000858	T	0.13	0.34	0.51	0.86	0.86	1.20
Transmission Under-Recovery	$/kW	0.03	T	0.36	0.36	0.90	0.90	1.20	1.20
AER/PPA	$/kWh	0.0008990	G	1.35	3.60	5.39	8.99	8.99	12.59
Auction Cost Recovery Rider	$/kWh	0.0003686	G	0.55	1.47	2.21	3.69	3.69	5.16
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	69.48	185.28	277.92	463.20	463.20	648.48
GENC	$/kWh	0.0116000	G	17.40	46.40	69.60	116.00	116.00	162.40
Distribution Investment Rider	%	25.58994%	D	$14.70	$14.70	$33.27	$33.27	$43.60	$43.60
EE&PDR Cost Recovery Rider	$/kWh	0.0030623	D	4.59	12.25	18.37	30.62	30.62	42.87
Econ Dev Cost Recovery Rider	%	0.0298104	D	1.71	1.71	3.88	3.88	5.08	5.08
Enhanced Service Reliability Rider	%	7.34119%	D	4.22	4.22	9.55	9.55	12.51	12.51
Deferred Asset Phase-In Rider	%	7.66000%	D	4.40	4.40	9.96	9.96	13.05	13.05
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22	4.22
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00	0.00
Total G				88.78	236.75	355.12	591.88	591.88	828.63
Total T				41.70	42.99	105.40	107.48	141.58	143.64
Total D				110.76	149.96	285.36	347.71	405.61	467.97
Total Bill				$241.24	$429.69	$745.89	$1,047.07	$1,139.07	$1,440.24

GS2 - Secondary (Cont'd.)		Rate Schedule Charges	kW kWh	50 12,500	50 18,000	75 15,000	150 30,000	300 60,000	500 100,000
Bill Calculations									
Customer Charge	$/mo.	9.04	D	$9.04	$9.04	$9.04	$9.04	$9.04	$9.04
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.033	D	201.65	201.65	302.48	604.95	1,209.90	2,016.50
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$210.69	$210.69	$311.52	$613.99	$1,218.94	$2,025.54
Universal Service Fund	$/kWh	0.0049462	D	61.83	89.03	74.19	148.39	296.77	494.62
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	9.30	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.0041900	D	44.00	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.0036300	D	0.00	10.89	0.00	54.45	163.35	308.55
Retail Stability Rider	$/kWh	0.0033897	D	42.37	61.01	50.85	101.69	203.38	338.97
Basic Transmission Rider	$/kWh	0.0003839	T	4.80	6.91	5.76	11.52	23.03	38.39
Basic Transmission Rider	$/kW	3.31	T	165.50	165.50	248.25	496.50	993.00	1655.00
Transmission Cost Recovery	$/kWh	0.0000478	T	0.60	0.86	0.72	1.43	2.87	4.78
Transmission Cost Recovery	$/kW	0.07	T	3.50	3.50	5.25	10.50	21.00	35.00
Transmission Under-Recovery	$/kWh	0.0000858	T	1.07	1.54	1.29	2.57	5.15	8.58
Transmission Under-Recovery	$/kW	0.030	T	1.50	1.50	2.25	4.50	9.00	15.00
AER/PPA	$/kWh	0.0008990	G	11.24	16.18	13.49	26.97	53.94	89.90
Auction Cost Recovery Rider	$/kWh	0.0003686	G	4.61	6.63	5.53	11.06	22.12	36.86
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	579.00	833.76	694.80	1389.60	2779.20	4632.00
GENC	$/kWh	0.0116000	G	145.00	208.80	174.00	348.00	696.00	1160.00
Distribution Investment Rider	%	25.58994%	D	53.92	53.92	79.72	157.12	311.93	518.33
EE&PDR Cost Recovery Rider	$/kWh	0.0030623	D	38.28	55.12	45.93	91.87	183.74	306.23
Econ Dev Cost Recovery Rider	%	0.0298104	D	6.28	6.28	9.29	18.30	36.34	60.38
Enhanced Service Reliability Rider	%	7.34119%	D	15.47	15.47	22.87	45.07	89.48	148.70
Deferred Asset Phase-In Rider	%	7.66000%	D	16.14	16.14	23.86	47.03	93.37	155.16
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22	4.22
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00	0.00
Total G				739.85	1,065.37	887.82	1,775.63	3,551.26	5,918.76
Total T				176.97	179.81	263.52	527.02	1,054.05	1,756.75
Total D				502.49	586.53	686.22	1,345.90	2,665.29	4,424.47
Total Bill				$1,419.31	$1,831.72	$1,837.56	$3,648.55	$7,270.60	$12,099.98

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

GS2 - Primary		Rate Schedule Charges	kW kWh	1,000 100,000
Bill Calculations				
Customer Charge	$/mo.	115.29	D	$115.29
Energy Charges	$/kWh	0.0000000	G	0.00
	$/kWh	0.0000000	D	0.00
Demand Charges	$/kW	3.183	D	3,183.00
Subtotal			G	0.00
				3,298.29
Universal Service Fund	$/kWh	0.0049462	D	494.62
Advanced Energy Fund Rider	$/mo.	0.0000000	D	-
KWH Tax (First 2,000)	$/kWh	0.0046500	D	9.30
(Next 13,000)	$/kWh	0.0041900	D	54.47
(Over 15,000)	$/kWh	0.0036300	D	308.55
Retail Stability Rider	$/kWh	0.0033897	D	338.97
Basic Transmission Rider	$/kWh	0.0003706	T	37.06
Basic Transmission Rider	$/kW	3.44	T	3,440.00
Transmission Cost Recovery	$/kWh	0.0000461	T	4.61
Transmission Cost Recovery	$/kW	0.07	T	70.00
Transmission Under-Recovery	$/kWh	0.0000828	T	8.28
Transmission Under-Recovery	$/kW	0.03	T	30.00
AER/PPA	$/kWh	0.0008835	G	88.35
Auction Cost Recovery Rider	$/kWh	0.0003686	G	36.86
APIR	$/kWh		G	-
GENE	$/kWh	0.0447100	G	4,471.00
GENC	$/kWh	0.0098100	G	981.00
Distribution Investment Rider	%	25.58994%	D	844.03
EE&PDR Cost Recovery Rider	$/kWh	0.0030623	D	306.23
Econ Dev Cost Recovery Rider	%	0.0298104	D	98.32
Enhanced Service Reliability Rider	%	7.34119%	D	242.13
Deferred Asset Phase-In Rider	%	7.66000%	D	252.65
gridSMART[SM] Phase 1	$/mo.	4.22	D	4.22
FCR	$/kWh		G	-
Placeholder 2				0.00
Placeholder 3				0.00
Placeholder 4				0.00
Placeholder 5				0.00
Placeholder 6				0.00
Total G				5,577.21
Total T				3,589.95
Total D				6,251.78
Total Bill				$15,418.94

GS3 - Secondary		Ex. kVA							
		Rate	kW	75	75	100	100	150	150
		Schedule	kWh	30,000	50,000	30,000	36,000	60,000	100,000
Bill Calculations		Charges							
Customer Charge	$/mo.	9.04	D	$9.04	$9.04	$9.04	$9.04	$9.04	$9.04
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.000	G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kW	4.033	D	302.48	302.48	403.30	403.30	604.95	604.95
*Excess kVa Charges	$/kVa	0.863	D	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$311.52	$311.52	$412.34	$412.34	$613.99	$613.99
Universal Service Fund	$/kWh	0.0049462	D	148.39	247.31	148.39	178.06	296.77	494.62
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.0046500	D	9.30	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.0041900	D	54.47	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.0036300	D	54.45	127.05	54.45	76.23	163.35	308.55
Retail Stability Rider	$/kWh	0.0033897	D	101.69	169.49	101.69	122.03	203.38	338.97
Basic Transmission Rider	$/kWh	0.0003839	T	11.52	19.20	11.52	13.82	23.03	38.39
Basic Transmission Rider	$/kW	3.31	T	248.25	248.25	331.00	331.00	496.50	496.50
Transmission Cost Recovery	$/kWh	0.0000484	T	1.45	2.42	1.45	1.74	2.90	4.84
Transmission Cost Recovery	$/kW	0.10	T	7.50	7.50	10.00	10.00	15.00	15.00
Transmission Under-Recovery	$/kWh	0.0000868	T	2.60	4.34	2.60	3.12	5.21	8.68
Transmission Under-Recovery	$/kW	0.05	T	3.75	3.75	5.00	5.00	7.50	7.50
AER/PPA	$/kWh	0.0008990	G	26.97	44.95	26.97	32.36	53.94	89.90
Auction Cost Recovery Rider	$/kWh	0.0003686	G	11.06	18.43	11.06	13.27	22.12	36.86
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	1389.60	2316.00	1389.60	1667.52	2779.20	4632.00
GENC	$/kWh	0.0116000	G	348.00	580.00	348.00	417.60	696.00	1160.00
Distribution Investment Rider	$/kWh	25.58994%	D	79.72	79.72	105.52	105.52	157.12	157.12
EE&PDR Cost Recovery Rider	$/kWh	0.0030623	D	91.87	153.12	91.87	110.24	183.74	306.23
Econ Dev Cost Recovery Rider	%	0.0298104	D	9.29	9.29	12.29	12.29	18.30	18.30
Enhanced Service Reliability Rider	%	7.34119%	D	22.87	22.87	30.27	30.27	45.07	45.07
Deferred Asset Phase-In Rider	%	7.66000%	D	23.86	23.86	31.59	31.59	47.03	47.03
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22	4.22
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00	0.00
Total G				1,775.63	2,959.38	1,775.63	2,130.75	3,551.26	5,918.76
Total T				275.07	285.46	361.57	364.68	550.14	570.91
Total D				911.65	1,212.22	1,056.39	1,146.55	1,796.74	2,397.87
Total Bill				$2,962.35	$4,457.06	$3,193.59	$3,641.99	$5,898.14	$8,887.54

* KVA in excess of the greater of 100 KVA or 115% of metered kW.

Edison Electric Institute

Typical Net Monthly Bills

0

Columbus Southern Rate Zone

GS3 - Secondary (Cont'd.)

Bill Calculations		Ex. kVA Rate Schedule Charges	kW kWh	300 90,000	300 120,000	300 150,000	300 200,000
Customer Charge	$/mo.	9.04	D	$9.04	$9.04	$9.04	$9.04
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.000	G	0.00	0.00	0.00	0.00
	$/kW	4.033	D	1,209.90	1,209.90	1,209.90	1,209.90
*Excess kVa Charges	$/kVa	0.863	D	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$1,218.94	$1,218.94	$1,218.94	$1,218.94
Universal Service Fund	$/kWh	0.0049462	D	445.16	593.54	741.93	989.24
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	272.25	381.15	490.05	671.55
Retail Stability Rider	$/kWh	0.0033897	D	305.07	406.76	508.46	677.94
Basic Transmission Rider	$/kWh	0.0003839	T	34.55	46.07	57.59	76.78
Basic Transmission Rider	$/kW	3.31	T	993.00	993.00	993.00	993.00
Transmission Cost Recovery	$/kWh	0.0000484	T	4.36	5.81	7.26	9.68
Transmission Cost Recovery	$/kW	0.10	T	30.00	30.00	30.00	30.00
Transmission Under-Recovery	$/kWh	0.0000868	T	7.81	10.42	13.02	17.36
Transmission Under-Recovery	$/kW	0.05	T	15.00	15.00	15.00	15.00
AER/PPA	$/kWh	0.0008990	G	80.91	107.88	134.85	179.80
Auction Cost Recovery Rider	$/kWh	0.0003686	G	33.17	44.23	55.29	73.72
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	4168.80	5558.40	6948.00	9264.00
GENC	$/kWh	0.0116000	G	1044.00	1392.00	1740.00	2320.00
Distribution Investment Rider	$/kWh	25.58994%	D	311.93	311.93	311.93	311.93
EE&PDR Cost Recovery Rider	$/kWh	0.0030623	D	275.61	367.48	459.35	612.46
Econ Dev Cost Recovery Rider	%	0.0298104	D	36.34	36.34	36.34	36.34
Enhanced Service Reliability Rider	%	7.34119%	D	89.48	89.48	89.48	89.48
Deferred Asset Phase-In Rider	%	7.66000%	D	93.37	93.37	93.37	93.37
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00
Total G				5,326.88	7,102.51	8,878.14	11,837.52
Total T				1,084.72	1,100.30	1,115.87	1,141.82
Total D				3,116.14	3,566.98	4,017.84	4,769.24
Total Bill				$9,527.74	$11,769.79	$14,011.85	$17,748.58

GS3 - Secondary (Cont'd.)

Bill Calculations		Ex. kVA Rate Schedule Charges	KW kWh	500 150,000	500 180,000	500 200,000	500 325,000
Customer Charge	$/mo.	9.04	D	$9.04	$9.04	$9.04	$9.04
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.000	G	0.00	0.00	0.00	0.00
	$/kW	4.033	D	2,016.50	2,016.50	2,016.50	2,016.50
*Excess kVa Charges	$/kVa	0.863	D	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$2,025.54	$2,025.54	$2,025.54	$2,025.54
Universal Service Fund	$/kWh	0.0049462	D	741.93	890.32	989.24	1607.52
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	490.05	598.95	671.55	1125.30
Retail Stability Rider	$/kWh	0.0033897	D	508.46	610.15	677.94	1101.65
Basic Transmission Rider	$/kWh	0.0003839	T	57.59	69.10	76.78	124.77
Basic Transmission Rider	$/kW	3.31	T	1655.00	1655.00	1655.00	1655.00
Transmission Cost Recovery	$/kWh	0.0000484	T	7.26	8.71	9.68	15.73
Transmission Cost Recovery	$/kW	0.10	T	50.00	50.00	50.00	50.00
Transmission Under-Recovery	$/kWh	0.0000868	T	13.02	15.62	17.36	28.21
Transmission Under-Recovery	$/kW	0.05	T	25.00	25.00	25.00	25.00
AER/PPA	$/kWh	0.0008990	G	134.85	161.82	179.80	292.18
Auction Cost Recovery Rider	$/kWh	0.0003686	G	55.29	66.35	73.72	119.80
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0463200	G	6948.00	8337.60	9264.00	15054.00
GENC	$/kWh	0.0116000	G	1740.00	2088.00	2320.00	3770.00
Distribution Investment Rider	$/kWh	25.58994%	D	518.33	518.33	518.33	518.33
EE&PDR Cost Recovery Rider	$/kWh	0.0030623	D	459.35	551.21	612.46	995.25
Econ Dev Cost Recovery Rider	%	0.0298104	D	60.38	60.38	60.38	60.38
Enhanced Service Reliability Rider	%	7.34119%	D	148.70	148.70	148.70	148.70
Deferred Asset Phase-In Rider	%	7.66000%	D	155.16	155.16	155.16	155.16
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
Placeholder 2							
Placeholder 3							
Placeholder 4							
Placeholder 5							
Placeholder 6							
Total G				8,878.14	10,653.77	11,837.52	19,235.98
Total T				1,807.87	1,823.43	1,833.82	1,898.71
Total D				5,175.89	5,626.73	5,927.29	7,805.82
Total Bill				$15,861.90	$18,103.93	$19,598.63	$28,940.51

* KVA in excess of the greater of 100 KVA or 115% of metered kW.

Edison Electric Institute

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Columbus Southern Rate Zone

GS3 - Primary

Bill Calculations		Ex. kVA Rate Schedule Charges	kW kWh	1,000 300,000	1,000 360,000	1,000 400,000	1,000 650,000
Customer Charge	$/mo.	115.29	D	$115.29	$115.29	$115.29	$115.29
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
		0.0000000	D	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.000	G	0.00	0.00	0.00	0.00
	$/kW	3.183	D	3,183.00	3,183.00	3,183.00	3,183.00
*Excess kVa Charges	$/kVa	0.835	D	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$3,298.29	$3,298.29	$3,298.29	$3,298.29
Universal Service Fund	$/kWh	0.0049462	D	1483.86	1780.63	1978.48	3215.03
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	1034.55	1252.35	1397.55	2305.05
Retail Stability Rider	$/kWh	0.0033897	D	1016.91	1220.29	1355.88	2203.31
Basic Transmission Rider	$/kWh	0.0003706	T	111.18	133.42	148.24	240.89
Basic Transmission Rider	$/kW	3.44	T	3440.00	3440.00	3440.00	3440.00
Transmission Cost Recovery	$/kWh	0.0000467	T	14.01	16.81	18.68	30.36
Transmission Cost Recovery	$/kW	0.10	T	100.00	100.00	100.00	100.00
Transmission Under-Recovery	$/kWh	0.0000838	T	25.14	30.17	33.52	54.47
Transmission Under-Recovery	$/kW	0.05	T	50.00	50.00	50.00	50.00
AER/PPA	$/kWh	0.0008835	G	265.05	318.06	353.40	574.28
Auction Cost Recovery Rider	$/kWh	0.0003686	G	110.58	132.70	147.44	239.59
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0447100	G	13413.00	16095.60	17884.00	29061.50
GENC	$/kWh	0.0098100	G	2943.00	3531.60	3924.00	6376.50
Distribution Investment Rider	$/kWh	25.58994%	D	844.03	844.03	844.03	844.03
EE&PDR Cost Recovery Rider	$/kWh	0.0030623	D	918.69	1102.43	1224.92	1990.50
Econ Dev Cost Recovery Rider	%	0.0298104	D	98.32	98.32	98.32	98.32
Enhanced Service Reliability Rider	%	7.34119%	D	242.13	242.13	242.13	242.13
Deferred Asset Phase-In Rider	%	7.66000%	D	252.65	252.65	252.65	252.65
gridSMART[SM] Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
Placeholder 2							
Placeholder 3							
Placeholder 4							
Placeholder 5							
Placeholder 6							
Total G				16,731.63	20,077.96	22,308.84	36,251.87
Total T				3,740.33	3,770.40	3,790.44	3,915.72
Total D				9,257.42	10,159.11	10,760.24	14,517.30
Total Bill				$29,729.38	$34,007.47	$36,859.52	$54,684.88

GS4			kVAR			
			kVA	5,000	5,000	5,000
		Rate	kW	5,000	5,000	5,000
		Schedule	kWh	1,500,000	2,500,000	3,250,000
Bill Calculations		Charges				
Customer Charge	$/mo.	1060.00	D	$1,060.00	$1,060.00	$1,060.00
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00
		0.0000000	D	0.00	0.00	0.00
*Excess kVar Charges	$/kVa	0.480	D	0.00	0.00	0.00
Demand Charges						
First 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00
Over 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00
			D	$1,060.00	$1,060.00	$1,060.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0049462	D	4,120.18	4,120.18	4,120.18
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001830	D	122.06	305.06	442.31
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	5,390.55	9,020.55	11,743.05
Retail Stability Rider	$/kWh	0.0033897	D	5,084.55	8,474.25	11,016.53
Basic Transmission Rider	$/kWh	0.0003632	T	544.80	908.00	1,180.40
Basic Transmission Rider	$/kW	3.38	T	16,900.00	16,900.00	16,900.00
Transmission Cost Recovery	$/kWh	0.0002250	T	337.50	562.50	731.25
Transmission Cost Recovery	$/kVa	0.34	T	1,700.00	1,700.00	1,700.00
Transmission Under-Recovery	$/kWh	0.0000854	T	128.10	213.50	277.55
Transmission Under-Recovery	$/kW	0.05	T	250.00	250.00	250.00
AER/PPA	$/kWh	0.0008784	G	1,317.60	2,196.00	2,854.80
Auction Cost Recovery Rider	$/kWh	0.0003686	G	552.90	921.50	1,197.95
APIR	$/kWh	[illegible]	G	0.00	0.00	0.00
GENE	$/kWh	0.0438100	G	65,715.00	109,525.00	142,382.50
GENC	$/kWh	0.0039000	G	5,850.00	9,750.00	12,675.00
Distribution Investment Rider	$/kWh	25.58994%	D	271.25	271.25	271.25
EE&PDR Cost Recovery Rider	$/kWh	0.0006320	D	948.00	1,580.00	2,054.00
Econ Dev Cost Recovery Rider	%	0.0298104	D	31.60	31.60	31.60
Enhanced Service Reliability Rider	%	7.34119%	D	77.82	77.82	77.82
Deferred Asset Phase-In Rider	%	7.66000%	D	81.20	81.20	81.20
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22
FCR	$/kWh	[illegible]	G	0.00	0.00	0.00
Placeholder 2						
Placeholder 3						
Placeholder 4						
Placeholder 5						
Placeholder 6						
Total G				73,435.50	122,392.50	159,110.250
Total T				19,860.40	20,534.00	21,039.20
Total D				17,255.20	25,089.90	30,965.93
Total Bill				$110,551.10	$168,016.40	$211,115.38

* KVA in excess of the greater of 100 KVA or 115% of metered kW.

Edison Electric Institute
Typical Net Monthly Bills
0

Columbus Southern Rate Zone

GS4 (Cont'd.) Bill Calculations		Rate Schedule Charges	kVAR kVA kW kWh	10,000 3,000,000	10,000 5,000,000	10,000 6,500,000	20,000 6,000,000	20,000 10,000,000
Customer Charge	$/mo.	1060.00	D	$1,060.00	$1,060.00	$1,060.00	$1,060.00	$1,060.00
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00
*Excess kVar Charges	$/kVa	0.480	D	0.00	0.00	0.00	0.00	0.00
Demand Charges								
First 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00	0.00	0.00
Over 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$1,060.00	$1,060.00	$1,060.00	$1,060.00	$1,060.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0049462	D	4,120.18	4,120.18	4,120.18	4,120.18	4,120.18
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001830	D	396.56	762.56	1,037.06	945.56	1,677.56
Advanced Energy Fund Rider	*$/mo.*	*0.0000000*	*D*	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	10,835.55	18,095.55	23,540.55	21,725.55	36,245.55
Retail Stability Rider	$/kWh	0.0033897	D	10,169.10	16,948.50	22,033.05	20,338.20	33,897.00
Basic Transmission Rider	$/kWh	0.0003632	T	1,089.60	1,816.00	2,360.80	2,179.20	3,632.00
Basic Transmission Rider	$/kW	3.38	T	33,800.00	33,800.00	33,800.00	67,600.00	67,600.00
Transmission Cost Recovery	$/kWh	0.0002250	T	675.00	1,125.00	1,462.50	1,350.00	2,250.00
Transmission Cost Recovery	$/kVa	0.34	T	3,400.00	3,400.00	3,400.00	6,800.00	6,800.00
Transmission Under-Recovery	$/kWh	0.0000854	T	256.20	427.00	555.10	512.40	854.00
Transmission Under-Recovery	$/kW	0.05	T	500.00	500.00	500.00	1,000.00	1,000.00
AER/PPA	$/kWh	0.0008784	G	2,635.20	4,392.00	5,709.60	5,270.40	8,784.00
Auction Cost Recovery Rider	$/kWh	0.0003686	G	1,105.80	1,843.00	2,395.90	2,211.60	3,686.00
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0438100	G	131,430.00	219,050.00	284,765.00	262,860.00	438,100.00
GENC	$/kWh	0.0039000	G	11,700.00	19,500.00	25,350.00	23,400.00	39,000.00
Distribution Investment Rider	$/kWh	25.58994%	D	271.25	271.25	271.25	271.25	271.25
EE&PDR Cost Recovery Rider	$/kWh	0.0006320	D	1,896.00	3,160.00	4,108.00	3,792.00	6,320.00
Econ Dev Cost Recovery Rider	%	0.0298104	D	31.60	31.60	31.60	31.60	31.60
Enhanced Service Reliability Rider	%	7.34119%	D	77.82	77.82	77.82	77.82	77.82
Deferred Asset Phase-In Rider	%	7.66000%	D	81.20	81.20	81.20	81.20	81.20
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
Placeholder 2								
Placeholder 3								
Placeholder 4								
Placeholder 5								
Placeholder 6								
Total G				146,871.0	244,785.0	318,220.5	293,742.0	489,570.0
Total T				39,720.80	41,068.00	42,078.40	79,441.60	82,136.00
Total D				29,007.25	44,676.65	56,428.70	52,511.35	83,850.15
Total Bill				$215,599.05	$330,529.65	$416,727.60	$425,694.95	$655,556.15

GS4 (Cont'd.)

Bill Calculations		Rate Schedule Charges	kVAR kVA kW kWh	20,000 13,000,000	50,000 15,000,000	50,000 25,000,000	50,000 32,500,000
Customer Charge	$/mo.	1060.00	D	$1,060.00	$1,060.00	$1,060.00	$1,060.00
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00
*Excess kVar Charges	$/kVa	0.480	D	0.00	0.00	0.00	0.00
Demand Charges							
First 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00	0.00
Over 3000 kVa	$/kVa	0.000	G	0.00	0.00	0.00	0.00
	$/kVa	0.000	D	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00
			D	$1,060.00	$1,060.00	$1,060.00	$1,060.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0049462	D	4,120.18	4,120.18	4,120.18	4,120.18
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001830	D	2,226.56	2,592.56	4,422.56	5,795.06
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	47,135.55	54,395.55	90,695.55	117,920.55
Retail Stability Rider	$/kWh	0.0033897	D	44,066.10	50,845.50	84,742.50	110,165.25
Basic Transmission Rider	$/kWh	0.0003632	T	4,721.60	5,448.00	9,080.00	11,804.00
Basic Transmission Rider	$/kW	3.38	T	67,600.00	169,000.00	169,000.00	169,000.00
Transmission Cost Recovery	$/kWh	0.0002250	T	2,925.00	3,375.00	5,625.00	7,312.50
Transmission Cost Recovery	$/kVa	0.34	T	6,800.00	17,000.00	17,000.00	17,000.00
Transmission Under-Recovery	$/kWh	0.0000854	T	1,110.20	1,281.00	2,135.00	2,775.50
Transmission Under-Recovery	$/kW	0.05	T	1,000.00	2,500.00	2,500.00	2,500.00
AER/PPA	$/kWh	0.0008784	G	11,419.20	13,176.00	21,960.00	28,548.00
Auction Cost Recovery Rider	$/kWh	0.0003686	G	4,791.80	5,529.00	9,215.00	11,979.50
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
GENE	$/kWh	0.0438100	G	569,530.00	657,150.00	1,095,250.00	1,423,825.00
GENC	$/kWh	0.0039000	G	50,700.00	58,500.00	97,500.00	126,750.00
Distribution Investment Rider	$/kWh	25.58994%	D	271.25	271.25	271.25	271.25
EE&PDR Cost Recovery Rider	$/kWh	0.0006320	D	8,216.00	9,480.00	15,800.00	20,540.00
Econ Dev Cost Recovery Rider	%	0.0298104	D	31.60	31.60	31.60	31.60
Enhanced Service Reliability Rider	%	7.34119%	D	77.82	77.82	77.82	77.82
Deferred Asset Phase-In Rider	%	7.66000%	D	81.20	81.20	81.20	81.20
gridSMART^{SM} Phase 1	$/mo.	4.22	D	4.22	4.22	4.22	4.22
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00
Placeholder 2							
Placeholder 3							
Placeholder 4							
Placeholder 5							
Placeholder 6							
Total G				636,441.0	734,355.0	1,223,925.0	1,591,102.5
Total T				84,156.80	198,604.00	205,340.00	210,392.00
Total D				107,354.25	123,023.65	201,370.65	260,130.90
Total Bill				$827,952.05	$1,055,982.65	$1,630,635.65	$2,061,625.40

Ohio Power Company
Typical Bill Comparison
Confidential - PPA Stipulation
Columbus Southern Power Rate Zone

Tariff	kWh	KW	Current	Proposed	$ Difference	Difference
Residential						
RR1 Annual	100		$24.81	$25.10	$0.29	1.2%
	250		$43.23	$43.59	$0.36	0.8%
	500		$73.96	$74.40	$0.44	0.6%
RR Annual	750		$104.69	$105.22	$0.53	0.5%
	1,000		$135.42	$136.04	$0.62	0.5%
	1,500		$196.85	$197.65	$0.80	0.4%
	2,000		$258.30	$259.27	$0.97	0.4%
GS-1						
	375	3	53.33	53.58	$0.25	0.5%
	1,000	3	120.09	120.39	$0.30	0.3%
	750	6	93.40	93.68	$0.28	0.3%
	2,000	6	226.85	227.26	$0.41	0.2%
GS-2 Secondary						
	1,500	12	$240.01	$241.24	$1.23	0.5%
	4,000	12	$429.39	$429.69	$0.30	0.1%
	6,000	30	$744.05	$745.89	$1.84	0.3%
	10,000	30	$1,046.72	$1,047.07	$0.35	0.0%
	10,000	40	$1,137.47	$1,139.07	$1.60	0.1%
	14,000	40	$1,440.13	$1,440.24	$0.11	0.0%
	12,500	50	$1,417.38	$1,419.31	$1.94	0.1%
	18,000	50	$1,831.82	$1,831.72	-$0.10	0.0%
	15,000	75	$1,833.41	$1,837.56	$4.15	0.2%
	30,000	150	$3,640.53	$3,648.55	$8.02	0.2%
	60,000	300	$7,254.84	$7,270.60	$15.76	0.2%
	100,000	500	$12,073.91	$12,099.98	$26.07	0.2%
GS-2 Primary						
	100,000	1,000	$15,351.29	$15,418.94	$67.65	0.4%

Ohio Power Company
Typical Bill Comparison
Confidential - PPA Stipulation
Columbus Southern Power Rate Zone

Tariff	kWh	KW	Current	Proposed	$ Difference	Difference
GS-3 Secondary						
	30,000	75	$2,963.75	$2,962.35	-$1.40	-0.1%
	50,000	75	$4,465.87	$4,457.06	-$8.81	-0.2%
	30,000	100	$3,191.86	$3,193.59	$1.73	0.1%
	36,000	100	$3,642.48	$3,641.99	-$0.49	0.0%
	60,000	150	$5,901.24	$5,898.14	-$3.10	-0.1%
	100,000	150	$8,905.47	$8,887.54	-$17.93	-0.2%
	90,000	300	$9,523.10	$9,527.74	$4.64	0.1%
	120,000	300	$11,776.27	$11,769.79	-$6.48	-0.1%
	150,000	300	$14,029.45	$14,011.85	-$17.60	-0.1%
	200,000	300	$17,784.72	$17,748.58	-$36.14	-0.2%
	150,000	500	$15,854.36	$15,861.90	$7.54	0.1%
	180,000	500	$18,107.52	$18,103.93	-$3.59	0.0%
	200,000	500	$19,609.63	$19,598.63	-$11.00	-0.1%
	325,000	500	$28,997.85	$28,940.51	-$57.34	-0.2%
GS-3 Primary						
	300,000	1,000	$29,732.07	$29,729.38	-$2.69	0.0%
	360,000	1,000	$34,031.26	$34,007.47	-$23.79	-0.1%
	400,000	1,000	$36,897.38	$36,859.52	-$37.86	-0.1%
	650,000	1,000	$54,810.66	$54,684.88	-$125.78	-0.2%
GS-4						
	1,500,000	5,000	$111,091.50	$110,551.10	-$540.40	-0.5%
	2,500,000	5,000	$168,939.10	$168,016.40	-$922.70	-0.6%
	3,250,000	5,000	$212,324.81	$211,115.38	-$1,209.43	-0.6%
	3,000,000	10,000	$216,712.90	$215,599.05	-$1,113.85	-0.5%
	5,000,000	10,000	$332,408.10	$330,529.65	-$1,878.45	-0.6%
	6,500,000	10,000	$419,179.50	$416,727.60	-$2,451.90	-0.6%
	6,000,000	20,000	$427,955.70	$425,694.95	-$2,260.75	-0.5%
	10,000,000	20,000	$659,346.10	$655,556.15	-$3,789.95	-0.6%
	13,000,000	20,000	$832,888.90	$827,952.05	-$4,936.85	-0.6%
	15,000,000	50,000	$1,061,684.10	$1,055,982.65	-$5,701.45	-0.5%
	25,000,000	50,000	$1,640,160.10	$1,630,635.65	-$9,524.45	-0.6%
	32,500,000	50,000	$2,074,017.10	$2,061,625.40	-$12,391.70	-0.6%

* Typical bills assume 100% Power Factor

Assumes Moving 1/2 IRP Credit from EE/PDR to EDR
Assumes Moving 50% of Subtran/Tran EE Costs to EDR
Assumes $10/MWh Auto Credit
Assumes additional subscription to IRP
Assumes PPA as $4M Credit allocated on 5CP and collected on kWh

Edison Electric Institute
Typical Net Monthly Bills
FAC, GS and USF

Ohio Power Company

RESIDENTIAL

Bill Calculations		Rate Schedule Charges	100 kWh	250 kWh	500 kWh	750 kWh	1,000 kWh	
Customer Charge	$/mo.	8.40 D	$8.40	$8.40	$8.40	$8.40	$8.40	
Energy Charges								
First 800 kWh	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00	
	$/kWh	0.0182747 D	1.83	4.57	9.14	13.71	14.62	
Over 800 kWh	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00	
	$/kWh	0.0182747 D	0.00	0.00	0.00	0.00	3.65	
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00	
		D	$10.23	$12.97	$17.54	$22.11	$26.67	
		A	$10.23	$12.97	$17.54	$22.11	$26.67	
Universal Service Fund	$/kWh	0.0061835 D	0.62	1.55	3.09	4.64	6.18	
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00	
KWH Tax (First 2,000)	$/kWh	0.00465 D	0.47	1.16	2.33	3.49	4.65	
(Next 13,000)	$/kWh	0.00419 D	0.00	0.00	0.00	0.00	0.00	
(Over 15,000)	$/kWh	0.00363 D	0.00	0.00	0.00	0.00	0.00	
Retail Stability Rider	$/kWh	0.0053154 D	0.53	1.33	2.66	3.99	5.32	
Basic Transmission Rider	$/kWh	0.0128713 T	1.29	3.22	6.44	9.65	12.87	
Transmission Cost Recovery	$/kWh	0.0015898 T	0.16	0.40	0.79	1.19	1.59	
Transmission Under Recovery	$/kWh	0.0003295 T	0.03	0.08	0.16	0.25	0.33	
Auction Cost Recovery Rider	$/kWh	0.0003686 G	0.04	0.09	0.18	0.28	0.37	
APIR & FCR	$/kWh	G	0.00	0.00	0.00	0.00	0.00	
AER	$/kWh	0.0009930 G	0.10	0.25	0.50	0.74	0.99	
GENE	$/kWh	0.0463200 G	4.63	11.58	23.16	34.74	46.32	
GENC	$/kWh	0.0142100 G	1.42	3.55	7.11	10.66	14.21	0.00
Pilot Throughput Bal Adjustment	$/kWh	0.0013952 D	0.14	0.35	0.70	1.05	1.40	
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	0.42	1.06	2.11	3.17	4.22	
EE&PDR Cost Recovery Rider	$/kWh	0.0045666 D	0.46	1.14	2.28	3.42	4.57	
EDR Cost Recover Rider	%	-0.13648% D	(0.01)	(0.02)	(0.02)	(0.03)	(0.04)	
Distribution Investment Rider	%	25.58994% D	2.62	3.32	4.49	5.66	6.82	
gridSMART℠ Rider	$/mo.	1.01 D	1.01	1.01	1.01	1.01	1.01	
Deferred Asset Phase-In Rider	%	7.66% D	0.78	0.99	1.34	1.69	2.04	
Residential Credit Rider	%	-3.58070% D	(0.37)	(0.46)	(0.63)	(0.79)	(0.95)	
Enhanced Service Reliability Rider	%	7.34119% D	0.75	0.95	1.29	1.62	1.96	
Placeholder 1			0.00	0.00	0.00	0.00	0.00	
Placeholder 2			0.00	0.00	0.00	0.00	0.00	
Placeholder 3			0.00	0.00	0.00	0.00	0.00	
Placeholder 4			0.00	0.00	0.00	0.00	0.00	
Placeholder 5			0.00	0.00	0.00	0.00	0.00	
Placeholder 6			0.00	0.00	0.00	0.00	0.00	
Total Bill		G	$6.19	$15.47	$30.94	$46.42	$61.89	
		T	$1.48	$3.70	$7.39	$11.09	$14.79	
		D	$17.66	$25.35	$38.19	$51.03	$63.84	
		A	$25.33	$44.52	$76.52	$108.54	$140.53	

Bill Calculations		Rate Schedule Charges	Minimum 1,500 kWh	Minimum 2,000 kWh	Minimum 3,000 kWh	Minimum 5,000 kWh	Minimum 7,500 kWh
Customer Charge	$/mo.	8.40 D	$8.40	$8.40	$8.40	$8.40	$8.40
Energy Charges							
First 800 kWh	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0182747 D	14.62	14.62	14.62	14.62	14.62
Over 800 kWh	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0182747 D	12.79	21.93	40.20	76.75	122.44
Subtotal		G	0.00	0.00	0.00	0.00	0.00
		D	$35.81	$44.95	$63.22	$99.77	$145.46
		A	$35.81	$44.95	$63.22	$99.77	$145.46
Universal Service Fund	$/kWh	0.0061835 D	9.28	12.37	18.55	30.92	46.38
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	6.98	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	0.00	0.00	4.19	12.57	23.05
(Over 15,000)	$/kWh	0.00363 D	0.00	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154 D	7.97	10.63	15.95	26.58	39.87
Basic Transmission Rider	$/kWh	0.0128713 T	19.31	25.74	38.61	64.36	96.53
Transmission Cost Recovery	$/kWh	0.0015898 T	2.38	3.18	4.77	7.95	11.92
Transmission Under Recovery	$/kWh	0.0003295 T	0.49	0.66	0.99	1.65	2.47
Auction Cost Recovery Rider	$/kWh	0.0003686 G	0.55	0.74	1.11	1.84	2.76
APIR & FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009930 G	1.49	1.99	2.98	4.97	7.45
GENE	$/kWh	0.0463200 G	69.48	92.64	138.96	231.60	347.40
GENC	$/kWh	0.0142100 G	21.32	28.42	42.63	71.05	106.58
Pilot Throughput Bal Adjustment	$/kWh	0.0013952 D	2.09	2.79	4.19	6.98	10.46
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	6.33	8.44	12.67	21.11	31.67

EE&PDR Cost Recovery Rider	$/kWh	0.0045666 D	6.85	9.13	13.70	22.83	34.25
EDR Cost Recover Rider	%	-0.0013648 D	(0.05)	(0.06)	(0.09)	(0.14)	(0.20)
Distribution Investment Rider	%	25.58994% D	9.16	11.50	16.18	25.53	37.22
gridSMART^{SM} Rider	$/mo.	1.01 D	1.01	1.01	1.01	1.01	1.01
Deferred Asset Phase-In Rider	%	7.66000% D	2.74	3.44	4.84	7.64	11.14
Residential Credit Rider	%	-3.58070% D	(1.28)	(1.61)	(2.26)	(3.57)	(5.21)
Enhanced Service Reliability Rider	%	7.34119% D	2.63	3.30	4.64	7.32	10.68
Placeholder 1			0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$92.83	$123.79	$185.68	$309.46	$464.18
		T	$22.16	$29.58	$44.37	$73.96	$110.92
		D	$89.52	$115.19	$166.08	$267.85	$395.09
		A	$204.54	$268.56	$396.13	$651.26	$970.19
			Minimum	Minimum	Minimum	Minimum	Minimum

GENERAL SERVICE-1-Sec

Bill Calculations		Rate Schedule Charges	kW / kWh	3 / 375	3 / 1,000	6 / 750	6 / 2,000	
Customer Charge	$/mo.	13.17 D		$13.17	$13.17	$13.17	$13.17	
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	
	$/kWh	0.0027999 D		1.05	2.80	2.10	5.60	
Subtotal		G		$0.00	$0.00	$0.00	$0.00	
		D		$14.22	$15.97	$15.27	$18.77	
		A		$14.22	$15.97	$15.27	$18.77	
Universal Service Fund	$/kWh	0.0061835 D		2.32	6.18	4.64	12.37	
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00	0.00	
KWH Tax (First 2,000)	$/kWh	0.00465 D		1.74	4.65	3.49	9.30	
(Next 13,000)	$/kWh	0.00419 D		0.00	0.00	0.00	0.00	
(Over 15,000)	$/kWh	0.00363 D		0.00	0.00	0.00	0.00	0.2856
Retail Stability Rider	$/kWh	0.0034143 D		1.28	3.41	2.56	6.83	0.0000204
Basic Transmission Rider	$/kWh	0.0096835 T		3.63	9.68	7.26	19.37	
Transmission Cost Recovery	$/kWh	0.0003383 T		0.13	0.34	0.25	0.68	
Transmission Under Recovery	$/kWh	0.0002104 T		0.08	0.21	0.16	0.42	
Auction Cost Recovery Rider	$/kWh	0.0003686 G		0.14	0.37	0.28	0.74	
APIR & FCR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	
AER	$/kWh	0.0009930 G		0.37	0.99	0.74	1.99	
GENE	$/kWh	0.0463200 G		17.37	46.32	34.74	92.64	
GENC	$/kWh	0.011090 G		4.16	11.09	8.32	22.18	
Pilot Throughput Bal Adjustment	$/kWh	0.0001056 D		0.04	0.11	0.08	0.21	
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D		1.58	4.22	3.17	8.44	
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D		1.25	3.34	2.50	6.68	
EDR Cost Recover Rider	%	-0.0013648 D		(0.02)	(0.02)	(0.02)	(0.03)	
Distribution Investment Rider	%	25.58994% D		3.64	4.09	3.91	4.80	
gridSMART^{SM} Rider	$/mo.	4.22 D		4.22	4.22	4.22	4.22	
Deferred Asset Phase-In Rider	%	7.66000% D		1.09	1.22	1.17	1.44	
Enhanced Service Reliability Rider	%	7.34119% D		1.04	1.17	1.12	1.38	
Placeholder 1				0.00	0.00	0.00	0.00	
Placeholder 2				0.00	0.00	0.00	0.00	
Placeholder 3				0.00	0.00	0.00	0.00	
Placeholder 4				0.00	0.00	0.00	0.00	
Placeholder 5				0.00	0.00	0.00	0.00	
Placeholder 6				0.00	0.00	0.00	0.00	
Total Bill		G		$22.04	$58.77	$44.08	$117.55	
		T		$3.84	$10.23	$7.67	$20.47	
		D		$32.40	$48.56	$42.11	$74.41	
		A		$58.28	$117.56	$93.86	$212.42	
				Minimum	Minimum	Minimum	Minimum	

GENERAL SERVICE-2-Sec

Bill Calculations		Rate Schedule Charges	kW / kWh	12 / 1,500	12 / 4,000	30 / 6,000	30 / 10,000	40 / 10,000	40 / 14,000
Customer Charge	$/mo.	22.79 D		$22.79	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00	0.00

Demand Charges	$/kW	4.16 D	49.92	49.92	124.80	124.80	166.40	166.40
Exc. KVA Charges	$/kVA	3.82 D	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$72.71	$72.71	$147.59	$147.59	$189.19	$189.19
		A	$72.71	$72.71	$147.59	$147.59	$189.19	$189.19
Universal Service Fund	$/kWh	0.0061835 D	9.28	24.73	37.10	61.84	61.84	86.57
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	6.98	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	0.00	8.38	16.76	33.52	33.52	50.28
(Over 15,000)	$/kWh	0.00363 D	0.00	0.00	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0033897 D	5.08	13.56	20.34	33.90	33.90	47.46
Basic Transmission Rider	$/kWh	0.0003839 T	0.58	1.54	2.30	3.84	3.84	5.37
Basic Transmission Rider	$/kW	3.31 T	39.72	39.72	99.30	99.30	132.40	132.40
Transmission Cost Recovery	$/kWh	0.0000478 T	0.07	0.19	0.29	0.48	0.48	0.67
Transmission Cost Recovery	$/kW	0.07 T	0.84	0.84	2.10	2.10	2.80	2.80
Transmission Under Recovery	$/kWh	0.0000858 T	0.13	0.34	0.51	0.86	0.86	1.20
Transmission Under Recovery	$/kW	0.03 T	0.36	0.36	0.90	0.90	1.20	1.20
Auction Cost Recovery Rider	$/kWh	0.0003686 G	0.55	1.47	2.21	3.69	3.69	5.16
APIR & FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009930 G	1.49	3.97	5.96	9.93	9.93	13.90
GENE	$/kWh	0.0463200 G	69.48	185.28	277.92	463.20	463.20	648.48
GENC	$/kWh	0.0116000 G	17.40	46.40	69.60	116.00	116.00	162.40
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	6.33	16.89	25.33	42.22	42.22	59.11
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D	5.01	13.36	20.03	33.39	33.39	46.75
EDR Cost Recover Rider	%	-0.0013648 D	(0.10)	(0.10)	(0.20)	(0.20)	(0.26)	(0.26)
Distribution Investment Rider	%	25.58994% D	18.61	18.61	37.77	37.77	48.41	48.41
gridSMART^{SM} Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	5.57	5.57	11.31	11.31	14.49	14.49
Enhanced Service Reliability Rider	%	7.34119% D	5.34	5.34	10.83	10.83	13.89	13.89
Placeholder 1			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00	0.00
Total Bill		G	$88.92	$237.12	$355.69	$592.82	$592.82	$829.94
		T	$41.70	$42.99	$105.40	$107.48	$141.58	$143.64
		D	$139.03	$192.57	$340.38	$425.69	$484.11	$569.41
		A	$269.65	$472.68	$801.46	$1,125.99	$1,218.51	$1,542.99
			Minimum	Minimum	Minimum	Minimum	Minimum	Minimum

GENERAL SERVICE-2-Sec (Cont'd)

Bill Calculations		Rate Schedule Charges	kW / kWh	50 / 12,500	50 / 18,000	75 / 15,000	75 / 30,000	75 / 50,000	
Customer Charge	$/mo.	22.79 D		$22.79	$22.79	$22.79	$22.79	$22.79	
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00	
Demand Charges	$/kW	4.16 D		208.00	208.00	312.00	312.00	312.00	
Exc. KVA Charges	$/kVA	3.82 D		0.00	0.00	0.00	0.00	0.00	
Subtotal		G		$0.00	$0.00	$0.00	$0.00	$0.00	
		D		$230.79	$230.79	$334.79	$334.79	$334.79	
		A		$230.79	$230.79	$334.79	$334.79	$334.79	
Universal Service Fund	$/kWh	0.0061835 D		77.29	111.30	92.75	185.51	309.18	
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00	0.00	0.00	
KWH Tax (First 2,000)	$/kWh	0.00465 D		9.30	9.30	9.30	9.30	9.30	
(Next 13,000)	$/kWh	0.00419 D		44.00	54.47	54.47	54.47	54.47	
(Over 15,000)	$/kWh	0.00363 D		0.00	10.89	0.00	54.45	127.05	
Retail Stability Rider	$/kWh	0.0033897 D		42.37	61.01	50.85	101.69	169.49	0.0033715
Basic Transmission Rider	$/kWh	0.0003839 T		4.80	6.91	5.76	11.52	19.20	
Basic Transmission Rider	$/kW	3.31 T		165.50	165.50	248.25	248.25	248.25	
Transmission Cost Recovery	$/kWh	0.0000478 T		0.60	0.86	0.72	1.43	2.39	
Transmission Cost Recovery	$/kW	0.07 T		3.50	3.50	5.25	5.25	5.25	
Transmission Under Recovery	$/kWh	0.0000858 T		1.07	1.54	1.29	2.57	4.29	
Transmission Under Recovery	$/kW	0.0300000 T		1.50	1.50	2.25	2.25	2.25	
Auction Cost Recovery Rider	$/kWh	0.0003686 G		4.61	6.63	5.53	11.06	18.43	
APIR & FCR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	
AER	$/kWh	0.0009930 G		12.41	17.87	14.90	29.79	49.65	
GENE	$/kWh	0.0463200 G		579.00	833.76	694.80	1389.60	2316.00	
GENC	$/kWh	0.0116000 G		145.00	208.80	174.00	348.00	580.00	
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D		52.78	76.00	63.33	126.66	211.10	
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D		41.74	60.10	50.09	100.17	166.95	
EDR Cost Recover Rider	%	-0.0013648 D		(0.31)	(0.31)	(0.46)	(0.46)	(0.46)	
Distribution Investment Rider	%	25.58994% D		59.06	59.06	85.67	85.67	85.67	
gridSMART^{SM} Rider	$/mo.	4.22 D		4.22	4.22	4.22	4.22	4.22	
Deferred Asset Phase-In Rider	%	7.66000% D		17.68	17.68	25.64	25.64	25.64	

Enhanced Service Reliability Rider	%	7.34119% D	16.94	16.94	24.58	24.58	24.58
Placeholder 1			0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$741.02	$1,067.06	$889.23	$1,778.45	$2,964.08
		T	$176.97	$179.81	$263.52	$271.27	$281.63
		D	$595.86	$711.45	$795.23	$1,106.69	$1,521.98
		A	$1,513.85	$1,958.32	$1,947.98	$3,156.41	$4,767.69
			Minimum	Minimum	Minimum	Minimum	Minimum

Bill Calculations		Rate Schedule Charges	kW / kWh	100 30,000	100 36,000	150 30,000	150 60,000	150 100,000
Customer Charge	$/mo.	22.79	D	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.16	D	416.00	416.00	624.00	624.00	624.00
Exc. KVA Charges	$/kVA	3.82	D	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$438.79	$438.79	$646.79	$646.79	$646.79
			A	$438.79	$438.79	$646.79	$646.79	$646.79
Universal Service Fund	$/kWh	0.0061835	D	185.51	222.61	185.51	371.01	618.35
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	54.45	76.23	54.45	163.35	308.55
Retail Stability Rider	$/kWh	0.0033897	D	101.69	122.03	101.69	203.38	338.97
Basic Transmission Rider	$/kWh	0.0003839	T	11.52	13.82	11.52	23.03	38.39
Basic Transmission Rider	$/kW	3.31	T	331.00	331.00	496.50	496.50	496.50
Transmission Cost Recovery	$/kWh	0.0000478	T	1.43	1.72	1.43	2.87	4.78
Transmission Cost Recovery	$/kW	0.07	T	7.00	7.00	10.50	10.50	10.50
Transmission Under Recovery	$/kWh	0.0000858	T	2.57	3.09	2.57	5.15	8.58
Transmission Under Recovery	$/kW	0.0300000	T	3.00	3.00	4.50	4.50	4.50
Auction Cost Recovery Rider	$/kWh	0.0003686	G	11.06	13.27	11.06	22.12	36.86
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009930	G	29.79	35.75	29.79	59.58	99.30
GENE	$/kWh	0.0463200	G	1389.60	1667.52	1389.60	2779.20	4632.00
GENC	$/kWh	0.0116000	G	348.00	417.60	348.00	696.00	1160.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220	D	126.66	151.99	126.66	253.32	422.20
EE&PDR Cost Recovery Rider	$/kWh	0.0033390	D	100.17	120.20	100.17	200.34	333.90
EDR Cost Recover Rider	%	-0.0013648	D	(0.60)	(0.60)	(0.88)	(0.88)	(0.88)
Distribution Investment Rider	%	25.58994%	D	112.29	112.29	165.51	165.51	165.51
gridSMART[SM] Rider	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000%	D	33.61	33.61	49.54	49.54	49.54
Enhanced Service Reliability Rider	%	7.34119%	D	32.21	32.21	47.48	47.48	47.48
Placeholder 1				0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00
Total Bill			G	$1,778.45	$2,134.14	$1,778.45	$3,556.90	$5,928.16
			T	$356.52	$359.63	$527.02	$542.55	$563.25
			D	$1,252.77	$1,377.35	$1,544.91	$2,167.83	$2,998.40
			A	$3,387.74	$3,871.12	$3,850.38	$6,267.28	$9,489.81
				Minimum	Minimum	Minimum	Minimum	Minimum

GENERAL SERVICE-2-Sec (Cont'd)

Bill Calculations		Rate Schedule Charges	kW / kWh	300 60,000	300 90,000	300 120,000	300 150,000	300 200,000
Customer Charge	$/mo.	22.79	D	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.16	D	1,248.00	1,248.00	1,248.00	1,248.00	1,248.00
Exc. KVA Charges	$/kVA	3.82	D	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$1,270.79	$1,270.79	$1,270.79	$1,270.79	$1,270.79
			A	$1,270.79	$1,270.79	$1,270.79	$1,270.79	$1,270.79

Universal Service Fund	$/kWh	0.0061835 D	371.01	556.52	742.02	927.53	1236.70
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	163.35	272.25	381.15	490.05	671.55
Retail Stability Rider	$/kWh	0.0033897 D	203.38	305.07	406.76	508.46	677.94
Basic Transmission Rider	$/kWh	0.0003839 T	23.03	34.55	46.07	57.59	76.78
Basic Transmission Rider	$/kW	3.31 T	993.00	993.00	993.00	993.00	993.00
Transmission Cost Recovery	$/kWh	0.0000478 T	2.87	4.30	5.74	7.17	9.56
Transmission Cost Recovery	$/kW	0.07 T	21.00	21.00	21.00	21.00	21.00
Transmission Under Recovery	$/kWh	0.0000858 T	5.15	7.72	10.30	12.87	17.16
Transmission Under Recovery	$/kW	0.0300000 T	9.00	9.00	9.00	9.00	9.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	22.12	33.17	44.23	55.29	73.72
APIR & FCR	$/kWh	0.000000 G	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009930 G	59.58	89.37	119.16	148.95	198.60
GENE	$/kWh	0.0463200 G	2779.20	4168.80	5558.40	6948.00	9264.00
GENC	$/kWh	0.0116000 G	696.00	1044.00	1392.00	1740.00	2320.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	253.32	379.98	506.64	633.30	844.40
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D	200.34	300.51	400.68	500.85	667.80
EDR Cost Recover Rider	%	-0.0013648 D	(1.73)	(1.73)	(1.73)	(1.73)	(1.73)
Distribution Investment Rider	%	25.58994% D	325.19	325.19	325.19	325.19	325.19
gridSMART[SM] Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	97.34	97.34	97.34	97.34	97.34
Enhanced Service Reliability Rider	%	7.34119% D	93.29	93.29	93.29	93.29	93.29
Placeholder 1			0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$3,556.90	$5,335.34	$7,113.79	$8,892.24	$11,856.32
		T	$1,054.05	$1,069.57	$1,085.11	$1,100.63	$1,126.50
		D	$3,044.27	$3,667.20	$4,290.12	$4,913.06	$5,951.26
		A	$7,655.22	$10,072.11	$12,489.02	$14,905.93	$18,934.08
			Minimum	Minimum	Minimum	Minimum	Minimum

Bill Calculations		Rate Schedule Charges	kW kWh	500 100,000	500 150,000	500 180,000	500 200,000	500 325,000
Customer Charge	$/mo.	22.79	D	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.16	D	2,080.00	2,080.00	2,080.00	2,080.00	2,080.00
Exc. KVA Charges	$/KVA	3.82	D	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$2,102.79	$2,102.79	$2,102.79	$2,102.79	$2,102.79
			A	$2,102.79	$2,102.79	$2,102.79	$2,102.79	$2,102.79
Universal Service Fund	$/kWh	0.0061835	D	618.35	927.53	1113.03	1236.70	2009.64
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	308.55	490.05	598.95	671.55	1125.30
Retail Stability Rider	$/kWh	0.00339	D	338.97	508.46	610.15	677.94	1101.65
Basic Transmission Rider	$/kWh	0.0003839	T	38.39	57.59	69.10	76.78	124.77
Basic Transmission Rider	$/kW	3.31	T	1655.00	1655.00	1655.00	1655.00	1655.00
Transmission Cost Recovery	$/kWh	0.0000478	T	4.78	7.17	8.60	9.56	15.54
Transmission Cost Recovery	$/kW	0.07	T	35.00	35.00	35.00	35.00	35.00
Transmission Under Recovery	$/kWh	0.0000858	T	8.58	12.87	15.44	17.16	27.89
Transmission Under Recovery	$/kW	0.0300000	T	15.00	15.00	15.00	15.00	15.00
Auction Cost Recovery Rider	$/kWh	0.0003686	G	36.86	55.29	66.35	73.72	119.80
APIR & FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009930	G	99.30	148.95	178.74	198.60	322.73
GENE	$/kWh	0.0463200	G	4632.00	6948.00	8337.60	9264.00	15054.00
GENC	$/kWh	0.0116000	G	1160.00	1740.00	2088.00	2320.00	3770.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220	D	422.20	633.30	759.96	844.40	1372.15
EE&PDR Cost Recovery Rider	$/kWh	0.0033390	D	333.90	500.85	601.02	667.80	1085.18
EDR Cost Recover Rider	%	-0.0013648	D	(2.87)	(2.87)	(2.87)	(2.87)	(2.87)
Distribution Investment Rider	%	25.58994%	D	538.10	538.10	538.10	538.10	538.10
gridSMART[SM] Rider	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000%	D	161.07	161.07	161.07	161.07	161.07
Enhanced Service Reliability Rider	%	7.34119%	D	154.37	154.37	154.37	154.37	154.37
Placeholder 1				0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00
Total Bill			G	$5,928.16	$8,892.24	$10,670.69	$11,856.32	$19,266.53
			T	$1,756.75	$1,782.63	$1,798.14	$1,808.50	$1,873.20
			D	$5,043.42	$6,081.64	$6,704.56	$7,119.84	$9,715.37
			A	$12,728.33	$16,756.51	$19,173.39	$20,784.66	$30,855.10
				Minimum	Minimum	Minimum	Minimum	Minimum

Ohio Power Company

GENERAL SERVICE-3-Sec

Bill Calculations		Rate Schedule Charges	kW / kWh	12 / 1,500	12 / 4,000	30 / 6,000	30 / 10,000	40 / 10,000	40 / 14,000
Customer Charge	$/mo.	22.79 D		$22.79	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0 G		0.00	0.00	0.00	0.00	0.00	0.00
	$/kW	4.16 D		49.92	49.92	124.80	124.80	166.40	166.40
Exc. KVA Charges	$/kVA	3.82 D		0.00	0.00	0.00	0.00	0.00	0.00
Subtotal		G		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		D		$72.71	$72.71	$147.59	$147.59	$189.19	$189.19
		A		$72.71	$72.71	$147.59	$147.59	$189.19	$189.19
Universal Service Fund	$/kWh	0.0061835 D		9.28	24.73	37.10	61.84	61.84	86.57
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D		6.98	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D		0.00	8.38	16.76	33.52	33.52	50.28
(Over 15,000)	$/kWh	0.00363 D		0.00	0.00	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0033897 D		5.08	13.56	20.34	33.90	33.90	47.46
Basic Transmission Rider	$/kWh	0.0003839 T		0.58	1.54	2.30	3.84	3.84	5.37
Basic Transmission Rider	$/kW	3.31 T		39.72	39.72	99.30	99.30	132.40	132.40
Transmission Cost Recovery	$/kWh	0.0000484 T		0.07	0.19	0.29	0.48	0.48	0.68
Transmission Cost Recovery	$/kW	0.10 T		1.20	1.20	3.00	3.00	4.00	4.00
Transmission Under Recovery	$/kWh	0.0000868 T		0.13	0.35	0.52	0.87	0.87	1.22
Transmission Under Recovery	$/kW	0.05 T		0.60	0.60	1.50	1.50	2.00	2.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G		0.55	1.47	2.21	3.69	3.69	5.16
APIR & FCR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009930 G		1.49	3.97	5.96	9.93	9.93	13.90
GENE	$/kWh	0.0463200 G		69.48	185.28	277.92	463.20	463.20	648.48
GENC	$/kWh	0.0116000 G		17.40	46.40	69.60	116.00	116.00	162.40
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D		6.33	16.89	25.33	42.22	42.22	59.11
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D		5.01	13.36	20.03	33.39	33.39	46.75
EDR Cost Recover Rider	%	-0.0013648 D		(0.10)	(0.10)	(0.20)	(0.20)	(0.26)	(0.26)
Distribution Investment Rider	%	25.58994% D		18.61	18.61	37.77	37.77	48.41	48.41
gridSMART^{SM} Rider	$/mo.	4.22 D		4.22	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D		5.57	5.57	11.31	11.31	14.49	14.49
Enhanced Service Reliability Rider	%	7.34119% D		5.34	5.34	10.83	10.83	13.89	13.89
Placeholder 1				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00	0.00
Total Bill		G		$88.92	$237.12	$355.69	$592.82	$592.82	$829.94
		T		$42.30	$43.60	$106.91	$108.99	$143.59	$145.67
		D		$139.03	$192.57	$340.38	$425.69	$484.11	$569.41
		A		$270.25	$473.29	$802.97	$1,127.50	$1,220.52	$1,545.02
				-	-	-	-	-	-

Bill Calculations		Rate Schedule Charges	kW / kWh	50 / 12,500	50 / 18,000	75 / 15,000	75 / 30,000	75 / 50,000
Customer Charge	$/mo.	22.79 D		$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0 G		0.00	0.00	0.00	0.00	0.00
	$/kW	4.16 D		208.00	208.00	312.00	312.00	312.00
Exc. KVA Charges	$/kVA	3.82 D		0.00	0.00	0.00	0.00	0.00
Subtotal		G		$0.00	$0.00	$0.00	$0.00	$0.00
		D		$230.79	$230.79	$334.79	$334.79	$334.79
		A		$230.79	$230.79	$334.79	$334.79	$334.79
Universal Service Fund	$/kWh	0.0061835 D		77.29	111.30	92.75	185.51	309.18
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D		9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D		44.00	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D		0.00	10.89	0.00	54.45	127.05
Retail Stability Rider	$/kWh	0.0033897 D		42.37	61.01	50.85	101.69	169.49
Basic Transmission Rider	$/kWh	0.0003839 T		4.80	6.91	5.76	11.52	19.20
Basic Transmission Rider	$/kW	3.31 T		165.50	165.50	248.25	248.25	248.25
Transmission Cost Recovery	$/kWh	0.0000484 T		0.61	0.87	0.73	1.45	2.42
Transmission Cost Recovery	$/kW	0.10 T		5.00	5.00	7.50	7.50	7.50
Transmission Under Recovery	$/kWh	0.0000868 T		1.09	1.56	1.30	2.60	4.34
Transmission Under Recovery	$/kW	0.0500000 T		2.50	2.50	3.75	3.75	3.75
Auction Cost Recovery Rider	$/kWh	0.0003686 T		4.61	6.63	5.53	11.06	18.43

APIR & FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009930 G	12.41	17.87	14.90	29.79	49.65
GENE	$/kWh	0.0463200 G	579.00	833.76	694.80	1389.60	2316.00
GENC	$/kWh	0.0116000 G	145.00	208.80	174.00	348.00	580.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	52.78	76.00	63.33	126.66	211.10
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D	41.74	60.10	50.09	100.17	166.95
EDR Cost Recover Rider	%	-0.0013648 D	(0.31)	(0.31)	(0.46)	(0.46)	(0.46)
Distribution Investment Rider	%	25.58994% D	59.06	59.06	85.67	85.67	85.67
gridSMART℠ Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	17.68	17.68	25.64	25.64	25.64
Enhanced Service Reliability Rider	%	7.34119% D	16.94	16.94	24.58	24.58	24.58
Placeholder 1			0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$736.41	$1,060.43	$883.70	$1,767.39	$2,945.65
		T	$184.11	$188.97	$272.82	$286.13	$303.89
		D	$595.86	$711.45	$795.23	$1,106.69	$1,521.98
		A	$1,516.38	$1,960.85	$1,951.75	$3,160.21	$4,771.52

GENERAL SERVICE-3-Sec (Cont'd.)

Bill Calculations		Rate Schedule Charges	kW / kWh	100 / 30,000	100 / 36,000	150 / 30,000	150 / 60,000	150 / 100,000
Customer Charge	$/mo.	22.79 D		$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0 G		0.00	0.00	0.00	0.00	0.00
	$/kW	4.16 D		416.00	416.00	624.00	624.00	624.00
Exc. KVA Charges	$/KVA	3.82 D		0.00	0.00	0.00	0.00	0.00
Subtotal		G		$0.00	$0.00	$0.00	$0.00	$0.00
		D		$438.79	$438.79	$646.79	$646.79	$646.79
		A		$438.79	$438.79	$646.79	$646.79	$646.79

Universal Service Fund	$/kWh	0.0061835 D	185.51	222.61	185.51	371.01	618.35
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	54.45	76.23	54.45	163.35	308.55
Retail Stability Rider	$/kWh	0.0033897 D	101.69	122.03	101.69	203.38	338.97
Basic Transmission Rider	$/kWh	0.0003839 T	11.52	13.82	11.52	23.03	38.39
Basic Transmission Rider	$/kW	3.31 T	331.00	331.00	496.50	496.50	496.50
Transmission Cost Recovery	$/kWh	0.0000484 T	1.45	1.74	1.45	2.90	4.84
Transmission Cost Recovery	$/kW	0.10 T	10.00	10.00	15.00	15.00	15.00
Transmission Under Recovery	$/kWh	0.0000868 T	2.60	3.12	2.60	5.21	8.68
Transmission Under Recovery	$/kW	0.0500000 T	5.00	5.00	7.50	7.50	7.50
Auction Cost Recovery Rider	$/kWh	0.0003686 T	11.06	13.27	11.06	22.12	36.86
APIR & FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009930 G	29.79	35.75	29.79	59.58	99.30
GENE	$/kWh	0.0463200 G	1389.60	1667.52	1389.60	2779.20	4632.00
GENC	$/kWh	0.0116000 G	348.00	417.60	348.00	696.00	1160.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	126.66	151.99	126.66	253.32	422.20
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D	100.17	120.20	100.17	200.34	333.90
EDR Cost Recover Rider	%	-0.0013648 D	(0.60)	(0.60)	(0.88)	(0.88)	(0.88)
Distribution Investment Rider	%	25.58994% D	112.29	112.29	165.51	165.51	165.51
gridSMART℠ Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	33.61	33.61	49.54	49.54	49.54
Enhanced Service Reliability Rider	%	7.34119% D	32.21	32.21	47.48	47.48	47.48
Placeholder 1			0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$1,767.39	$2,120.87	$1,767.39	$3,534.78	$5,891.30
		T	$372.63	$377.95	$545.63	$572.26	$607.77
		D	$1,252.77	$1,377.35	$1,544.91	$2,167.83	$2,998.40
		A	$3,392.79	$3,876.17	$3,857.93	$6,274.87	$9,497.47
			-	-	-	-	-

		Rate	kW	300	300	300	300	300
		Schedule	kWh	60,000	90,000	120,000	150,000	200,000
Bill Calculations		Charges						
Customer Charge	$/mo.	22.79 D		$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00
Demand Charges	*$/kW*	*0 G*		*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
	$/kW	4.16 D		1,248.00	1,248.00	1,248.00	1,248.00	1,248.00
Exc. KVA Charges	$/kVA	3.82 D		0.00	0.00	0.00	0.00	0.00
Subtotal		G		$0.00	$0.00	$0.00	$0.00	$0.00
		D		$1,270.79	$1,270.79	$1,270.79	$1,270.79	$1,270.79
		A		$1,270.79	$1,270.79	$1,270.79	$1,270.79	$1,270.79
Universal Service Fund	$/kWh	0.0061835 D		371.01	556.52	742.02	927.53	1236.70
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D		9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D		54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D		163.35	272.25	381.15	490.05	671.55
Retail Stability Rider	$/kWh	0.0033897 D		203.38	305.07	406.76	508.46	677.94
Basic Transmission Rider	$/kWh	0.0003839 T		23.03	34.55	46.07	57.59	76.78
Basic Transmission Rider	$/kW	3.31 T		993.00	993.00	993.00	993.00	993.00
Transmission Cost Recovery	$/kWh	0.0000484 T		2.90	4.36	5.81	7.26	9.68
Transmission Cost Recovery	$/kW	0.10 T		30.00	30.00	30.00	30.00	30.00
Transmission Under Recovery	$/kWh	0.0000868 T		5.21	7.81	10.42	13.02	17.36
Transmission Under Recovery	$/kW	0.0500000 T		15.00	15.00	15.00	15.00	15.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G		22.12	33.17	44.23	55.29	73.72
APIR & FCR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009930 G		59.58	89.37	119.16	148.95	198.60
GENE	$/kWh	0.0463200 G		2779.20	4168.80	5558.40	6948.00	9264.00
GENC	$/kWh	0.0116000 G		696.00	1044.00	1392.00	1740.00	2320.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D		253.32	379.98	506.64	633.30	844.40
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D		200.34	300.51	400.68	500.85	667.80
EDR Cost Recover Rider	%	-0.0013648 D		(1.73)	(1.73)	(1.73)	(1.73)	(1.73)
Distribution Investment Rider	%	25.58994% D		325.19	325.19	325.19	325.19	325.19
gridSMART℠ Rider	$/mo.	4.22 D		4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D		97.34	97.34	97.34	97.34	97.34
Enhanced Service Reliability Rider	%	7.34119% D		93.29	93.29	93.29	93.29	93.29
Placeholder 1				0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00
Placeholder 6				*0.00*	*0.00*	*0.00*	*0.00*	*0.00*
Total Bill		G		$3,556.90	$5,335.34	$7,113.79	$8,892.24	$11,856.32
		T		$1,069.14	$1,084.72	$1,100.30	$1,115.87	$1,141.82
		D		$3,044.27	$3,667.20	$4,290.12	$4,913.06	$5,951.26
		A		$7,670.31	$10,087.26	$12,504.21	$14,921.17	$18,949.40

Ohio Power Company

GENERAL SERVICE-3-Sec (Cont'd.)

Bill Calculations		Rate Schedule Charges	kW / kWh: 500 / 100,000	500 / 150,000	500 / 180,000	500 / 200,000	500 / 325,000
Customer Charge	$/mo.	22.79 D	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0 G	0.00	0.00	0.00	0.00	0.00
	$/kW	4.16 D	2,080.00	2,080.00	2,080.00	2,080.00	2,080.00
Exc. KVA Charges	$/kVA	3.82 D	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$2,102.79	$2,102.79	$2,102.79	$2,102.79	$2,102.79
		A	$2,102.79	$2,102.79	$2,102.79	$2,102.79	$2,102.79
Universal Service Fund	$/kWh	0.0061835 D	618.35	927.53	1113.03	1236.70	2009.64
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	308.55	490.05	598.95	671.55	1125.30
Retail Stability Rider	$/kWh	0.0033897 D	338.97	508.46	610.15	677.94	1101.65
Basic Transmission Rider	$/kWh	0.0003839 T	38.39	57.59	69.10	76.78	124.77
Basic Transmission Rider	$/kW	3.31 T	1655.00	1655.00	1655.00	1655.00	1655.00
Transmission Cost Recovery	$/kWh	0.0000484 T	4.84	7.26	8.71	9.68	15.73
Transmission Cost Recovery	$/kW	0.10 T	50.00	50.00	50.00	50.00	50.00
Transmission Under Recovery	$/kWh	0.0000868 T	8.68	13.02	15.62	17.36	28.21
Transmission Under Recovery	$/kW	0.0500000 T	25.00	25.00	25.00	25.00	25.00
Auction Cost Recovery Ridef	$/kWh	0.0003686 G	36.86	55.29	66.35	73.72	119.80
APIR & FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009930 G	99.30	148.95	178.74	198.60	322.73
GENE	$/kWh	0.0463200 G	4632.00	6948.00	8337.60	9264.00	15054.00
GENC	$/kWh	0.0116000 G	1160.00	1740.00	2088.00	2320.00	3770.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	422.20	633.30	759.96	844.40	1372.15
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D	333.90	500.85	601.02	667.80	1085.18
EDR Cost Recover Rider	%	-0.0013648 D	(2.87)	(2.87)	(2.87)	(2.87)	(2.87)
Distribution Investment Rider	%	25.58994% D	538.10	538.10	538.10	538.10	538.10
gridSMART^{SM} Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	161.07	161.07	161.07	161.07	161.07
Enhanced Service Reliability Rider	*%*	*7.34119% D*	*154.37*	*154.37*	*154.37*	*154.37*	*154.37*
Placeholder 1			0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$5,928.16	$8,892.24	$10,670.69	$11,856.32	$19,266.53
		T	$1,781.91	$1,807.87	$1,823.43	$1,833.82	$1,898.71
		D	$5,043.42	$6,081.64	$6,704.56	$7,119.84	$9,715.37
		A	$12,753.49	$16,781.75	$19,198.68	$20,809.98	$30,880.61

Ohio Power Company

GENERAL SERVICE-2-Pri

Bill Calculations		Rate Schedule Charges	kW / kWh: 1,000 / 200,000	1,000 / 300,000	1,000 / 360,000	1,000 / 400,000	1,000 / 650,000
Customer Charge	$/mo.	95.47 D	$95.47	$95.47	$95.47	$95.47	$95.47
Energy Charges	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
		0.0000000 D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	3.76 D	3,760.00	3,760.00	3,760.00	3,760.00	3,760.00
Exc. KVA Charges	$/kVA	3.82 D	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$3,855.47	$3,855.47	$3,855.47	$3,855.47	$3,855.47
		A	$3,855.47	$3,855.47	$3,855.47	$3,855.47	$3,855.47
Universal Service Fund	$/kWh	0.0061835 D	1,236.70	1,855.05	2,226.06	2,473.40	4,019.28
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	671.55	1,034.55	1,252.35	1,397.55	2,305.05
Retail Stability Rider	$/kWh	0.0033897 D	677.94	1,016.91	1,220.29	1,355.88	2,203.31
Basic Transmission Rider	$/kWh	0.0003706 T	74.12	111.18	133.42	148.24	240.89
Basic Transmission Rider	$/kW	3.44 T	3,440.00	3,440.00	3,440.00	3,440.00	3,440.00
Transmission Cost Recovery	$/kWh	0.0000461 T	9.22	13.83	16.60	18.44	29.97

Transmission Cost Recovery	$/kW	0.07 T	70.00	70.00	70.00	70.00	70.00
Transmission Under Recovery	$/kWh	0.0000828 T	16.56	24.84	29.81	33.12	53.82
Transmission Under Recovery	$/kW	0.03 T	30.00	30.00	30.00	30.00	30.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	73.72	110.58	132.70	147.44	239.59
APIR & FCR	$/kWh	G	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009585 G	191.70	287.55	345.06	383.40	623.03
GENE	$/kWh	0.0447100 G	8,942.00	13,413.00	16,095.60	17,884.00	29,061.50
GENC	$/kWh	0.0098100 G	1,962.00	2,943.00	3,531.60	3,924.00	6,376.50
Phase-In Cost Recovery Rider	$/kWh	0.0040760 D	815.20	1,222.80	1,467.36	1,630.40	2,649.40
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D	667.80	1,001.70	1,202.04	1,335.60	2,170.35
EDR Cost Recover Rider	%	-0.0013648 D	(5.26)	(5.26)	(5.26)	(5.26)	(5.26)
Distribution Investment Rider	%	25.58994% D	986.61	986.61	986.61	986.61	986.61
gridSMART℠ Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	295.33	295.33	295.33	295.33	295.33
Enhanced Service Reliability Rider	%	7.34119% D	283.04	283.04	283.04	283.04	283.04
Placeholder 1			0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$11,169.42	$16,754.13	$20,104.96	$22,338.84	$36,300.62
		T	$3,639.90	$3,689.85	$3,719.83	$3,739.80	$3,864.68
		D	$9,552.37	$11,614.19	$12,851.28	$13,676.01	$18,830.57
		A	$24,361.69	$32,058.17	$36,676.07	$39,754.65	$58,995.86
			Minimum	Minimum	Minimum	Minimum	Minimum

GENERAL SERVICE-3-Pri

Bill Calculations		Rate Schedule Charges					
		kW	1,000	1,000	1,000	1,000	1,000
		kWh	200,000	300,000	360,000	400,000	650,000
Customer Charge	$/mo.	95.47 D	$95.47	$95.47	$95.47	$95.47	$95.47
Energy Charges	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
		0.0000000 D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.00 G	0.00	0.00	0.00	0.00	0.00
	$/kW	3.76 D	3,760.00	3,760.00	3,760.00	3,760.00	3,760.00
Exc. KVA Charges	$/kVA	3.82 D	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$3,855.47	$3,855.47	$3,855.47	$3,855.47	$3,855.47
		A	$3,855.47	$3,855.47	$3,855.47	$3,855.47	$3,855.47
Universal Service Fund	$/kWh	0.0061835 D	1236.70	1855.05	2226.06	2473.40	4019.28
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	671.55	1034.55	1252.35	1397.55	2305.05
Retail Stability Rider	$/kWh	0.0033897 D	677.94	1016.91	1220.29	1355.88	2203.31
Basic Transmission Rider	$/kWh	0.0003706 T	74.12	111.18	133.42	148.24	240.89
Basic Transmission Rider	$/kW	3.44 T	3440.00	3440.00	3440.00	3440.00	3440.00
Transmission Cost Recovery	$/kWh	0.0000467 T	9.34	14.01	16.81	18.68	30.36
Transmission Cost Recovery	$/kW	0.10 T	100.00	100.00	100.00	100.00	100.00
Transmission Under Recovery	$/kWh	0.0000838 T	16.76	25.14	30.17	33.52	54.47
Transmission Under Recovery	$/kW	0.05 T	50.00	50.00	50.00	50.00	50.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	73.72	110.58	132.70	147.44	239.59
APIR & FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009585 G	191.70	287.55	345.06	383.40	623.03
GENE	$/kWh	0.0447100 G	8942.00	13413.00	16095.60	17884.00	29061.50
GENC	$/kWh	0.0098100 G	1962.00	2943.00	3531.60	3924.00	6376.50
Phase-In Cost Recovery Rider	$/kWh	0.0040760 D	815.20	1222.80	1467.36	1630.40	2649.40
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D	667.80	1001.70	1202.04	1335.60	2170.35
EDR Cost Recover Rider	%	-0.0013648 D	(5.26)	(5.26)	(5.26)	(5.26)	(5.26)
Distribution Investment Rider	%	25.58994% D	986.61	986.61	986.61	986.61	986.61
gridSMART℠ Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	295.33	295.33	295.33	295.33	295.33
Enhanced Service Reliability Rider	%	7.34119% D	283.04	283.04	283.04	283.04	283.04
Placeholder 1			0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$11,169.42	$16,754.13	$20,104.96	$22,338.84	$36,300.62
		T	$3,690.22	$3,740.33	$3,770.40	$3,790.44	$3,915.72
		D	$9,552.37	$11,614.19	$12,851.28	$13,676.01	$18,830.57
		A	$24,412.01	$32,108.65	$36,726.64	$39,805.29	$59,046.90

Edison Electric Institute
Typical Net Monthly Bills
0

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Ohio Power Company

GENERAL SERVICE-2-Sub

Bill Calculations		Rate Schedule Charges			
		kW	5,000	5,000	5,000
		kWh	1,500,000	2,500,000	3,250,000
Customer Charge	$/mo.	512.00 D	$512.00	$512.00	$512.00
Energy Charges	$/kWh	0.0000000 G	0.00	0.00	0.00
	$/kWh	0.0000000 D	0.00	0.00	0.00
Demand Charges	$/kW	0 T	0.00	0.00	0.00
	$/kW	0.00 D	0.00	0.00	0.00
Exc. KVA Charges	$/kVA	3.82 D	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00
		D	$512.00	$512.00	$512.00
		A	$512.00	$512.00	$512.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0061835 D	5150.86	5150.86	5150.86

Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001681 D	112.12	280.22	406.30
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	5390.55	9020.55	11743.05
Retail Stability Rider	$/kWh	0.0033897 D	5084.55	8474.25	11016.53
Basic Transmission Rider	$/kWh	0.0003632 T	544.80	908.00	1180.40
Basic Transmission Rider	$/kW	3.38 T	16900.00	16900.00	16900.00
Transmission Cost Recovery	$/kWh	0.0000452 T	67.80	113.00	146.90
Transmission Cost Recovery	$/kW	0.07 T	350.00	350.00	350.00
Transmission Under Recovery	$/kWh	0.0000809 T	121.35	202.25	262.93
Transmission Under Recovery	$/kW	0.03 T	150.00	150.00	150.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	552.90	921.50	1197.95
APIR & FCR	$/kWh	G	0.00	0.00	0.00
AER	$/kWh	0.0009394 G	1409.10	2348.50	3053.05
GENE	$/kWh	0.0438100 G	65715.00	109525.00	142382.50
GENC	$/kWh	0.0039000 G	5850.00	9750.00	12675.00
Phase-In Cost Recovery Rider	$/kWh	0.0039940 D	5991.00	9985.00	12980.50
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D	5008.50	8347.50	10851.75
EDR Cost Recover Rider	%	-0.0013648 D	(0.70)	(0.70)	(0.70)
Distribution Investment Rider	%	25.58994% D	131.02	131.02	131.02
gridSMART^{SM} Rider	$/mo.	4.22 D	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	39.22	39.22	39.22
Enhanced Service Reliability Rider	%	7.34119% D	37.59	37.59	37.59
Placeholder 1			0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00
Total Bill		G	$73,527.00	$122,545.00	$159,308.50
		T	$18,133.95	$18,623.25	$18,990.23
		D	$27,524.70	$42,045.50	$52,936.11
		A	$119,185.65	$183,213.75	$231,234.84
			Minimum	Minimum	Minimum

GENERAL SERVICE-3-Sub

		Rate Schedule Charges	kW kWh	5,000 1,500,000	5,000 2,500,000	5,000 3,250,000
Bill Calculations						
Customer Charge	$/mo.	512.00 D		$512.00	$512.00	$512.00
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00
		0.0000000 D		0.00	0.00	0.00
Demand Charges	$/kW	0.00 G		0.00	0.00	0.00
	$/kW	0.00 T		0.00	0.00	0.00
	$/kW	0.00 D		0.00	0.00	0.00
Exc. KVA Charges	$/kVA	3.82 D		0.00	0.00	0.00
Subtotal		G		0.00	0.00	0.00
		D		$512.00	$512.00	$512.00
		A		$512.00	$512.00	$512.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0061835 D		5,150.86	5,150.86	5,150.86
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001681 D		112.12	280.22	406.30
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D		9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D		54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D		5,390.55	9,020.55	11,743.05
Retail Stability Rider	$/kWh	0.0033897 D		5,084.55	8,474.25	11,016.53
Basic Transmission Rider	$/kWh	0.0003632 T		544.80	908.00	1,180.40
Basic Transmission Rider	$/kW	3.38 T		16,900.00	16,900.00	16,900.00
Transmission Cost Recovery	$/kWh	0.0000458 T		68.70	114.50	148.85
Transmission Cost Recovery	$/kW	0.09 T		450.00	450.00	450.00
Transmission Under Recovery	$/kWh	0.0000819 T		122.85	204.75	266.18
Transmission Under Recovery	$/kW	0.05 T		250.00	250.00	250.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G		552.90	921.50	1,197.95
APIR & FCR	$/kWh	0.0000000 G		0.00	0.00	0.00
AER	$/kWh	0.0009394 G		1,409.10	2,348.50	3,053.05
GENE	$/kWh	0.0438100 G		65,715.00	109,525.00	142,382.50
GENC	$/kWh	0.0039000 G		5,850.00	9,750.00	12,675.00
Phase-In Cost Recovery Rider	$/kWh	0.0039940 D		5,991.00	9,985.00	12,980.50
EE&PDR Cost Recovery Rider	$/kWh	0.0033390 D		5,008.50	8,347.50	10,851.75
EDR Cost Recover Rider	%	-0.0013648 D		(0.70)	(0.70)	(0.70)
Distribution Investment Rider	%	25.58994% D		131.02	131.02	131.02
gridSMART^{SM} Rider	$/mo.	4.22 D		4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D		39.22	39.22	39.22
Enhanced Service Reliability Rider	%	7.34119% D		37.59	37.59	37.59
Placeholder 1				0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00
Total Bill		G		$73,527.00	$122,545.00	$159,308.50
		T		$18,336.35	$18,827.25	$19,195.43
		D		$27,524.70	$42,045.50	$52,936.11
		A		$119,388.05	$183,417.75	$231,440.04

GENERAL SERVICE-4-Sub

		Rate Schedule Charges	kW kWh	10,000 3,000,000	10,000 5,000,000	10,000 6,500,000	20,000 6,000,000	20,000 10,000,000	20,000 13,000,000
Bill Calculations									
Customer Charge	$/mo.	512.00 D		$512.00	$512.00	$512.00	$512.00	$512.00	$512.00
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00	0.00

Demand Charges	$/kW	0.00 G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kW	0.00 D	0.00	0.00	0.00	0.00	0.00	0.00
*Reactive Charges	$/kVAR	0.48 D	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$512.00	$512.00	$512.00	$512.00	$512.00	$512.00
		A	$512.00	$512.00	$512.00	$512.00	$512.00	$512.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0061835 D	5150.86	5150.86	5150.86	5150.86	5150.86	5150.86
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001681 D	364.27	700.47	952.62	868.57	1540.97	2045.27
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	10835.55	18095.55	23540.55	21725.55	36245.55	47135.55
Retail Stability Rider	$/kWh	0.0033897 D	10169.10	16948.50	22033.05	20338.20	33897.00	44066.10
Basic Transmission Rider	$/kWh	0.0003632 T	1089.60	1816.00	2360.80	2179.20	3632.00	4721.60
Basic Transmission Rider	$/kW	3.38 T	33800.00	33800.00	33800.00	67600.00	67600.00	67600.00
Transmission Cost Recovery	$/kWh	0.0002250 T	675.00	1125.00	1462.50	1350.00	2250.00	2925.00
Transmission Cost Recovery	$/kW	0.34 T	3400.00	3400.00	3400.00	6800.00	6800.00	6800.00
Transmission Under Recovery	$/kWh	0.0000854 T	256.20	427.00	555.10	512.40	854.00	1110.20
Transmission Under Recovery	$/kW	0.0500000 T	500.00	500.00	500.00	1000.00	1000.00	1000.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	1105.80	1843.00	2395.90	2211.60	3686.00	4791.80
APIR & FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00	0.00
AER	$/kWh	0.0009394 G	2818.20	4697.00	6106.10	5636.40	9394.00	12212.20
GENE	$/kWh	0.0438100 G	131430.00	219050.00	284765.00	262860.00	438100.00	569530.00
GENC	$/kWh	0.0039000 G	11700.00	19500.00	25350.00	23400.00	39000.00	50700.00
Phase-In Cost Recovery Rider	$/kWh	0.0039940 D	11982.00	19970.00	25961.00	23964.00	39940.00	51922.00
EE&PDR Cost Recovery Rider	$/kWh	0.0009533 D	2859.90	4766.50	6196.45	5719.80	9533.00	12392.90
EDR Cost Recover Rider	%	-0.0013648 D	(0.70)	(0.70)	(0.70)	(0.70)	(0.70)	(0.70)
Distribution Investment Rider	%	25.58994% D	131.02	131.02	131.02	131.02	131.02	131.02
gridSMART[SM] Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	39.22	39.22	39.22	39.22	39.22	39.22
Enhanced Service Reliability Rider	%	7.34119% D	37.59	37.59	37.59	37.59	37.59	37.59
Placeholder 1			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00	0.00
Total Bill		G	$147,054.00	$245,090.00	$318,617.00	$294,108.00	$490,180.00	$637,234.00
		T	$39,720.80	$41,068.00	$42,078.40	$79,441.60	$82,136.00	$84,156.80
		D	$42,148.80	$66,419.00	$84,621.65	$78,554.10	$127,094.50	$163,499.80
		A	$228,923.60	$352,577.00	$445,317.05	$452,103.70	$699,410.50	$884,890.60
			Minimum	Minimum	Minimum	Minimum	Minimum	Minimum

GENERAL SERVICE-4-Tran

		Rate Schedule Charges	kW / kWh			
			kW	50,000	50,000	50,000
			kWh	15,000,000	25,000,000	32,500,000
Bill Calculations						
Customer Charge	$/mo.	512.00 D		$512.00	$512.00	$512.00
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00
Demand Charges	$/kW	0.00 G		0.00	0.00	0.00
	$/kW	0.00 D		0.00	0.00	0.00
*Reactive Charges	$/kVAR	0.48 D		0.00	0.00	0.00
Subtotal		G		$0.00	$0.00	$0.00
		D		$512.00	$512.00	$512.00
		A		$512.00	$512.00	$512.00
Univ. Serv. Fund < 833,000 KWH	$/mo.	0.0061835 D		5150.86	5150.86	5150.86
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001681		2381.47	4062.47	5323.22
Advanced Energy Fund Rider	$/kWh	0.0000000 D		0.00	0.00	0.00
KWH Tax (First 2,000)	$/mo.	0.0046500 D		9.30	9.30	9.30
(Next 13,000)	$/mo.	0.0041900 D		54.47	54.47	54.47
(Over 15,000)	$/kWh	0.0036300 D		54395.55	90695.55	117920.55
Retail Stability Rider	$/kWh	0.0033897 G		50845.50	84742.50	110165.25
Basic Transmission Rider	$/kWh	0.0003632 T		5448.00	9080.00	11804.00
Basic Transmission Rider	$/kWh	3.38 T		169000.00	169000.00	169000.00
Transmission Cost Recovery	$/kWh	0.0002250 T		3375.00	5625.00	7312.50
Transmission Cost Recovery	$/kWh	0.34 T		17000.00	17000.00	17000.00
Transmission Under Recovery	$/kWh	0.0000854 T		1281.00	2135.00	2775.50
Transmission Under Recovery	$/kWh	0.0500000 T		2500.00	2500.00	2500.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G		5529.00	9215.00	11979.50
APIR & FCR	$/kWh	0.0000000 G		0.00	0.00	0.00
AER	$/kWh	0.0009394 G		14091.00	23485.00	30530.50
GENE	$/kWh	0.0438100 G		657150.00	1095250.00	1423825.00
GENC	$/kWh	0.0039000 G		58500.00	97500.00	126750.00
Phase-In Cost Recovery Rider	$/kW	0.0039940		59910.00	99850.00	129805.00
EE&PDR Cost Recovery Rider	%	0.0009533 D		14299.50	23832.50	30982.25
EDR Cost Recover Rider	%	-0.0013648 D		(0.70)	(0.70)	(0.70)
Distribution Investment Rider	%	0.2558994 D		131.02	131.02	131.02
gridSMART[SM] Rider	%	4.22 D		4.22	4.22	4.22
Deferred Asset Phase-In Rider	$/kW	0.0766000 D		39.22	39.22	39.22
Enhanced Service Reliability Rider	$/mo.	0.0734119 D		37.59	37.59	37.59
Placeholder 1				0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00
Total Bill		G		$735,270.00	$1,225,450.00	$1,593,085.00
		T		$198,604.00	$205,340.00	$210,392.00
		D		$187,770.00	$309,121.00	$400,134.25
		A		$1,121,644.00	$1,739,911.00	$2,203,611.25
				Minimum	Minimum	Minimum

*Reactive charges billed for kVAR in excess of one-half of monthly metered kW.

Edison Electric Institute
Typical Net Monthly Bills
FAC, GS and USF

Ohio Power Company

RESIDENTIAL

Bill Calculations		Rate Schedule Charges		100 kWh	250 kWh	500 kWh	750 kWh	1,000 kWh	
Customer Charge	$/mo.	8.40	D	$8.40	$8.40	$8.40	$8.40	$8.40	
Energy Charges									
First 800 kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	
	$/kWh	0.0182747	D	1.83	4.57	9.14	13.71	14.62	
Over 800 kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00	
	$/kWh	0.0182747	D	0.00	0.00	0.00	0.00	3.65	
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00	
			D	$10.23	$12.97	$17.54	$22.11	$26.67	
			A	$10.23	$12.97	$17.54	$22.11	$26.67	
Universal Service Fund	$/kWh	0.0061835	D	0.62	1.55	3.09	4.64	6.18	
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00	
KWH Tax (First 2,000)	$/kWh	0.00465	D	0.47	1.16	2.33	3.49	4.65	
(Next 13,000)	$/kWh	0.00419	D	0.00	0.00	0.00	0.00	0.00	
(Over 15,000)	$/kWh	0.00363	D	0.00	0.00	0.00	0.00	0.00	
Retail Stability Rider	$/kWh	0.0053154	D	0.53	1.33	2.66	3.99	5.32	
Basic Transmission Rider	$/kWh	0.0128713	T	1.29	3.22	6.44	9.65	12.87	
Transmission Cost Recovery	$/kWh	0.0015898	T	0.16	0.40	0.79	1.19	1.59	
Transmission Under Recovery	$/kWh	0.0003295	T	0.03	0.08	0.16	0.25	0.33	
Auction Cost Recovery Rider	$/kWh	[illegible]	G	0.04	0.09	0.18	0.28	0.37	
APIR	$/kWh	[illegible]	G	0.00	0.00	0.00	0.00	0.00	
AER/PPA	$/kWh	[redacted]	G	0.09	0.22	0.44	0.65	0.87	
GENE	$/kWh	0.0463200	G	4.63	11.58	23.16	34.74	46.32	
GENC	$/kWh	0.0142100	G	1.42	3.55	7.11	10.66	14.21	0.00
Pilot Throughput Bal Adjustment	$/kWh	0.0013952	D	0.14	0.35	0.70	1.05	1.40	
Phase-In Cost Recovery Rider	$/kWh	0.0042220	D	0.42	1.06	2.11	3.17	4.22	
EE&PDR Cost Recovery Rider	$/kWh	0.0044724	D	0.45	1.12	2.24	3.35	4.47	
EDR Cost Recover Rider	%	2.98104%	D	0.30	0.39	0.52	0.66	0.80	3.11752%
Distribution Investment Rider	%	25.58994%	D	2.62	3.32	4.49	5.66	6.82	
gridSMART[SM] Rider	$/mo.	1.01	D	1.01	1.01	1.01	1.01	1.01	
Deferred Asset Phase-In Rider	%	7.66%	D	0.78	0.99	1.34	1.69	2.04	
Residential Credit Rider	%	-3.58070%	D	(0.37)	(0.46)	(0.63)	(0.79)	(0.95)	
Enhanced Service Reliability Rider	%	7.34119%	D	0.75	0.95	1.29	1.62	1.96	
FCR	$/kWh		G	0.00	0.00	0.00	0.00	0.00	
Placeholder 2				0.00	0.00	0.00	0.00	0.00	
Placeholder 3				0.00	0.00	0.00	0.00	0.00	
Placeholder 4				0.00	0.00	0.00	0.00	0.00	
Placeholder 5				0.00	0.00	0.00	0.00	0.00	
Placeholder 6				0.00	0.00	0.00	0.00	0.00	
Total Bill			G	$6.18	$15.44	$30.88	$46.33	$61.77	
			T	$1.48	$3.70	$7.39	$11.09	$14.79	
			D	$17.96	$25.74	$38.69	$51.65	$64.58	
			A	$25.61	$44.88	$76.96	$109.07	$141.14	
				Minimum	Minimum	Minimum	Minimum	Minimum	

Bill Calculations		Rate Schedule Charges		1,500 kWh	2,000 kWh	3,000 kWh	5,000 kWh	7,500 kWh
Customer Charge	$/mo.	8.40	D	$8.40	$8.40	$8.40	$8.40	$8.40
Energy Charges								
First 800 kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0182747	D	14.62	14.62	14.62	14.62	14.62
Over 800 kWh	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0182747	D	12.79	21.93	40.20	76.75	122.44
Subtotal			G	0.00	0.00	0.00	0.00	0.00
			D	$35.81	$44.95	$63.22	$99.77	$145.46
			A	$35.81	$44.95	$63.22	$99.77	$145.46
Universal Service Fund	$/kWh	0.0061835	D	9.28	12.37	18.55	30.92	46.38
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	6.98	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	0.00	0.00	4.19	12.57	23.05
(Over 15,000)	$/kWh	0.00363	D	0.00	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0053154	D	7.97	10.63	15.95	26.58	39.87
Basic Transmission Rider	$/kWh	0.0128713	T	19.31	25.74	38.61	64.36	96.53
Transmission Cost Recovery	$/kWh	0.0015898	T	2.38	3.18	4.77	7.95	11.92
Transmission Under Recovery	$/kWh	0.0003295	T	0.49	0.66	0.99	1.65	2.47
Auction Cost Recovery Rider	$/kWh	0.0003686	G	0.55	0.74	1.11	1.84	2.76
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted]	G	1.31	1.74	2.61	4.36	6.53
GENE	$/kWh	0.0463200	G	69.48	92.64	138.96	231.60	347.40
GENC	$/kWh	0.0142100	G	21.32	28.42	42.63	71.05	106.58
Pilot Throughput Bal Adjustment	$/kWh	0.0013952	D	2.09	2.79	4.19	6.98	10.46
Phase-In Cost Recovery Rider	$/kWh	0.0042220	D	6.33	8.44	12.67	21.11	31.67
EE&PDR Cost Recovery Rider	$/kWh	0.0044724	D	6.71	8.94	13.42	22.36	33.54
EDR Cost Recover Rider	%	0.0298104	D	1.07	1.34	1.88	2.97	4.34
Distribution Investment Rider	%	25.58994%	D	9.16	11.50	16.18	25.53	37.22
gridSMART[SM] Rider	$/mo.	1.01	D	1.01	1.01	1.01	1.01	1.01
Deferred Asset Phase-In Rider	%	7.66000%	D	2.74	3.44	4.84	7.64	11.14
Residential Credit Rider	%	-3.58070%	D	(1.28)	(1.61)	(2.26)	(3.57)	(5.21)
Enhanced Service Reliability Rider	%	7.34119%	D	2.63	3.30	4.64	7.32	10.68
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00
Total Bill			G	$92.65	$123.54	$185.31	$308.85	$463.27
			T	$22.18	$29.58	$44.37	$73.96	$110.92
			D	$90.50	$116.40	$167.77	$270.49	$398.92
			A	$205.34	$269.53	$397.46	$653.29	$973.11
				Minimum	Minimum	Minimum	Minimum	Minimum

Edison Electric Institute
Typical Net Monthly Bills
0

Ohio Power Company

GENERAL SERVICE-1-Sec

Bill Calculations		Rate Schedule Charges					
			kW	3	3	6	6
			kWh	375	1,000	750	2,000
Customer Charge	$/mo.	13.17 D		$13.17	$13.17	$13.17	$13.17
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00
	$/kWh	0.0027999 D		1.05	2.80	2.10	5.60
Subtotal		G		$0.00	$0.00	$0.00	$0.00
		D		$14.22	$15.97	$15.27	$18.77
		A		$14.22	$15.97	$15.27	$18.77
Universal Service Fund	$/kWh	0.0061835 D		2.32	6.18	4.64	12.37
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D		1.74	4.65	3.49	9.30
(Next 13,000)	$/kWh	0.00419 D		0.00	0.00	0.00	0.00
(Over 15,000)	$/kWh	0.00363 D		0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0034143 D		1.28	3.41	2.56	6.83
Basic Transmission Rider	$/kWh	0.0096835 T		3.63	9.68	7.26	19.37
Transmission Cost Recovery	$/kWh	0.0003383 T		0.13	0.34	0.25	0.68
Transmission Under Recovery	$/kWh	0.0002104 T		0.08	0.21	0.16	0.42
Auction Cost Recovery Rider	$/kWh	0.0003686 G		0.14	0.37	0.28	0.74
APIR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G		0.34	0.92	0.69	1.84
GENE	$/kWh	0.0463200 G		17.37	46.32	34.74	92.64
GENC	$/kWh	0.011090 G		4.16	11.09	8.32	22.18
Pilot Throughput Bal Adjustment	$/kWh	0.0001056 D		0.04	0.11	0.08	0.21
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D		1.58	4.22	3.17	8.44
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D		1.15	3.06	2.30	6.12
EDR Cost Recover Rider	%	0.0298104 D		0.42	0.48	0.46	0.56
Distribution Investment Rider	%	25.58994% D		3.64	4.09	3.91	4.80
gridSMART℠ Rider	$/mo.	4.22 D		4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D		1.09	1.22	1.17	1.44
Enhanced Service Reliability Rider	%	7.34119% D		1.04	1.17	1.12	1.38
FCR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00
Total Bill		G		$22.01	$58.70	$44.03	$117.40
		T		$3.84	$10.23	$7.67	$20.47
		D		$32.74	$48.78	$42.39	$74.44
		A		$58.59	$117.71	$94.08	$212.30
				Minimum	Minimum	Minimum	Minimum

0.2856
0.0000204

GENERAL SERVICE-2-Sec

Bill Calculations		Rate Schedule Charges							
			kW	12	12	30	30	40	40
			kWh	1,500	4,000	6,000	10,000	10,000	14,000
Customer Charge	$/mo.	22.79 D		$22.79	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.16 D		49.92	49.92	124.80	124.80	166.40	166.40
Exc. KVA Charges	$/kVA	3.82 D		0.00	0.00	0.00	0.00	0.00	0.00
Subtotal		G		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		D		$72.71	$72.71	$147.59	$147.59	$189.19	$189.19
		A		$72.71	$72.71	$147.59	$147.59	$189.19	$189.19
Universal Service Fund	$/kWh	0.0061835 D		9.28	24.73	37.10	61.84	61.84	86.57
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D		6.98	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D		0.00	8.38	16.76	33.52	33.52	50.28
(Over 15,000)	$/kWh	0.00363 D		0.00	0.00	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0033897 D		5.08	13.56	20.34	33.90	33.90	47.46
Basic Transmission Rider	$/kWh	0.0003839 T		0.58	1.54	2.30	3.84	3.84	5.37
Basic Transmission Rider	$/kW	3.31 T		39.72	39.72	99.30	99.30	132.40	132.40
Transmission Cost Recovery	$/kWh	0.0000478 T		0.07	0.19	0.29	0.48	0.48	0.67
Transmission Cost Recovery	$/kW	0.07 T		0.84	0.84	2.10	2.10	2.80	2.80
Transmission Under Recovery	$/kWh	0.0000858 T		0.13	0.34	0.51	0.86	0.86	1.20
Transmission Under Recovery	$/kW	0.03 T		0.36	0.36	0.90	0.90	1.20	1.20
Auction Cost Recovery Rider	$/kWh	0.0003686 G		0.55	1.47	2.21	3.69	3.69	5.16
APIR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G		1.35	3.60	5.39	8.99	8.99	12.59
GENE	$/kWh	0.0463200 G		69.48	185.28	277.92	463.20	463.20	648.48
GENC	$/kWh	0.0116000 G		17.40	46.40	69.60	116.00	116.00	162.40
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D		6.33	16.89	25.33	42.22	42.22	59.11
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D		4.59	12.25	18.37	30.62	30.62	42.87
EDR Cost Recover Rider	%	0.0298104 D		2.17	2.17	4.40	4.40	5.64	5.64
Distribution Investment Rider	%	25.58994% D		18.61	18.61	37.77	37.77	48.41	48.41
gridSMART℠ Rider	$/mo.	4.22 D		4.22	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D		5.57	5.57	11.31	11.31	14.49	14.49
Enhanced Service Reliability Rider	%	7.34119% D		5.34	5.34	10.83	10.83	13.89	13.89
FCR	%	0.0000000 G		0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00	0.00
Total Bill		G		$88.78	$236.75	$355.12	$591.88	$591.88	$828.63
		T		$41.70	$42.99	$105.40	$107.48	$141.58	$143.64

D	$140.88	$193.73	$343.32	$427.52	$487.24	$571.43
A	$271.36	$473.47	$803.84	$1,126.88	$1,220.70	$1,543.70
	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum

Ohio Power Company

GENERAL SERVICE-2-Sec (Cont'd)

Bill Calculations		Rate Schedule Charges	kW / kWh	50 / 12,500	50 / 18,000	75 / 15,000	75 / 30,000	75 / 50,000
Customer Charge	$/mo.	22.79	D	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.16	D	208.00	208.00	312.00	312.00	312.00
Exc. KVA Charges	$/kVA	3.82	D	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$230.79	$230.79	$334.79	$334.79	$334.79
			A	$230.79	$230.79	$334.79	$334.79	$334.79
Universal Service Fund	$/kWh	0.0061835	D	77.29	111.30	92.75	185.51	309.18
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	44.00	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	0.00	10.89	0.00	54.45	127.05
Retail Stability Rider	$/kWh	0.0033897	D	42.37	61.01	50.85	101.69	169.49
Basic Transmission Rider	$/kWh	0.0003839	T	4.80	6.91	5.76	11.52	19.20
Basic Transmission Rider	$/kW	3.31	T	165.50	165.50	248.25	248.25	248.25
Transmission Cost Recovery	$/kWh	0.0000478	T	0.60	0.86	0.72	1.43	2.39
Transmission Cost Recovery	$/kW	0.07	T	3.50	3.50	5.25	5.25	5.25
Transmission Under Recovery	$/kWh	0.0000858	T	1.07	1.54	1.29	2.57	4.29
Transmission Under Recovery	$/kW	0.0300000	T	1.50	1.50	2.25	2.25	2.25
Auction Cost Recovery Rider	$/kWh	0.0003686	G	4.61	6.63	5.53	11.06	18.43
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted]	G	11.24	16.18	13.49	26.97	44.95
GENE	$/kWh	0.0463200	G	579.00	833.76	694.80	1389.60	2316.00
GENC	$/kWh	0.0116000	G	145.00	208.80	174.00	348.00	580.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220	D	52.78	76.00	63.33	126.66	211.10
EE&PDR Cost Recovery Rider	$/kWh	0.0030623	D	38.28	55.12	45.93	91.87	153.12
EDR Cost Recover Rider	%	0.0298104	D	6.88	6.88	9.98	9.98	9.98
Distribution Investment Rider	%	25.58994%	D	59.06	59.06	85.67	85.67	85.67
gridSMART^{SM} Rider	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000%	D	17.68	17.68	25.64	25.64	25.64
Enhanced Service Reliability Rider	%	7.34119%	D	16.94	16.94	24.58	24.58	24.58
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00
Total Bill			G	$739.85	$1,065.37	$887.82	$1,775.63	$2,959.38
			T	$176.97	$179.81	$263.52	$271.27	$281.63
			D	$599.59	$713.66	$801.51	$1,108.83	$1,518.59
			A	$1,516.41	$1,958.84	$1,952.85	$3,155.73	$4,759.60
				Minimum	Minimum	Minimum	Minimum	Minimum

0.0033715

Bill Calculations		Rate Schedule Charges	kW / kWh	100 / 30,000	100 / 36,000	150 / 30,000	150 / 60,000	150 / 100,000
Customer Charge	$/mo.	22.79	D	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.16	D	416.00	416.00	624.00	624.00	624.00
Exc. KVA Charges	$/kVA	3.82	D	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$438.79	$438.79	$646.79	$646.79	$646.79
			A	$438.79	$438.79	$646.79	$646.79	$646.79
Universal Service Fund	$/kWh	0.0061835	D	185.51	222.61	185.51	371.01	618.35
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	54.45	76.23	54.45	163.35	308.55
Retail Stability Rider	$/kWh	0.0033897	D	101.69	122.03	101.69	203.38	338.97
Basic Transmission Rider	$/kWh	0.0003839	T	11.52	13.82	11.52	23.03	38.39
Basic Transmission Rider	$/kW	3.31	T	331.00	331.00	496.50	496.50	496.50
Transmission Cost Recovery	$/kWh	0.0000478	T	1.43	1.72	1.43	2.87	4.78
Transmission Cost Recovery	$/kW	0.07	T	7.00	7.00	10.50	10.50	10.50
Transmission Under Recovery	$/kWh	0.0000858	T	2.57	3.09	2.57	5.15	8.58
Transmission Under Recovery	$/kW	0.0300000	T	3.00	3.00	4.50	4.50	4.50
Auction Cost Recovery Rider	$/kWh	0.0003686	G	11.06	13.27	11.06	22.12	36.86
APIR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted]	G	26.97	32.36	26.97	53.94	89.90
GENE	$/kWh	0.0463200	G	1389.60	1667.52	1389.60	2779.20	4632.00
GENC	$/kWh	0.0116000	G	348.00	417.60	348.00	696.00	1160.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220	D	126.66	151.99	126.66	253.32	422.20
EE&PDR Cost Recovery Rider	$/kWh	0.0030623	D	91.87	110.24	91.87	183.74	306.23
EDR Cost Recover Rider	%	0.0298104	D	13.08	13.08	19.28	19.28	19.28
Distribution Investment Rider	%	25.58994%	D	112.29	112.29	165.51	165.51	165.51
gridSMART^{SM} Rider	$/mo.	4.22	D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000%	D	33.61	33.61	49.54	49.54	49.54
Enhanced Service Reliability Rider	%	7.34119%	D	32.21	32.21	47.48	47.48	47.48
FCR	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00

Total Bill	G	$1,775.63	$2,130.75	$1,775.63	$3,551.26	$5,918.76
	T	$356.52	$359.63	$527.02	$542.55	$563.25
	D	$1,258.15	$1,381.07	$1,556.77	$2,171.39	$2,990.89
	A	$3,390.30	$3,871.46	$3,859.42	$6,265.20	$9,472.90
		Minimum	Minimum	Minimum	Minimum	Minimum

Ohio Power Company

GENERAL SERVICE-2-Sec (Cont'd)

Bill Calculations		Rate Schedule Charges	kW / kWh	300 / 60,000	300 / 90,000	300 / 120,000	300 / 150,000	300 / 200,000
Customer Charge	$/mo.	22.79 D		$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.16 D		1,248.00	1,248.00	1,248.00	1,248.00	1,248.00
Exc. KVA Charges	$/kVA	3.82 D		0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$1,270.79	$1,270.79	$1,270.79	$1,270.79	$1,270.79
			A	$1,270.79	$1,270.79	$1,270.79	$1,270.79	$1,270.79
Universal Service Fund	$/kWh	0.0061835 D		371.01	556.52	742.02	927.53	1236.70
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D		9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D		54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D		163.35	272.25	381.15	490.05	671.55
Retail Stability Rider	$/kWh	0.0033897 D		203.38	305.07	406.76	508.46	677.94
Basic Transmission Rider	$/kWh	0.0003839 T		23.03	34.55	46.07	57.59	76.78
Basic Transmission Rider	$/kW	3.31 T		993.00	993.00	993.00	993.00	993.00
Transmission Cost Recovery	$/kWh	0.0000478 T		2.87	4.30	5.74	7.17	9.56
Transmission Cost Recovery	$/kW	0.07 T		21.00	21.00	21.00	21.00	21.00
Transmission Under Recovery	$/kWh	0.0000858 T		5.15	7.72	10.30	12.87	17.16
Transmission Under Recovery	$/kW	0.0300000 T		9.00	9.00	9.00	9.00	9.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G		22.12	33.17	44.23	55.29	73.72
APIR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G		53.94	80.91	107.88	134.85	179.80
GENE	$/kWh	0.0463200 G		2779.20	4168.80	5558.40	6948.00	9264.00
GENC	$/kWh	0.0116000 G		696.00	1044.00	1392.00	1740.00	2320.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D		253.32	379.98	506.64	633.30	844.40
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D		183.74	275.61	367.48	459.35	612.46
EDR Cost Recover Rider	%	0.0298104 D		37.88	37.88	37.88	37.88	37.88
Distribution Investment Rider	%	25.58994% D		325.19	325.19	325.19	325.19	325.19
gridSMART℠ Rider	$/mo.	4.22 D		4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D		97.34	97.34	97.34	97.34	97.34
Enhanced Service Reliability Rider	%	7.34119% D		93.29	93.29	93.29	93.29	93.29
FCR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00
Total Bill			G	$3,551.26	$5,326.88	$7,102.51	$8,878.14	$11,837.52
			T	$1,054.05	$1,069.57	$1,085.11	$1,100.63	$1,126.50
			D	$3,067.28	$3,681.91	$4,296.53	$4,911.17	$5,935.53
			A	$7,672.59	$10,078.36	$12,484.15	$14,889.94	$18,899.55
				Minimum	Minimum	Minimum	Minimum	Minimum

Bill Calculations		Rate Schedule Charges	kW / kWh	500 / 100,000	500 / 150,000	500 / 180,000	500 / 200,000	500 / 325,000
Customer Charge	$/mo.	22.79 D		$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	4.16 D		2,080.00	2,080.00	2,080.00	2,080.00	2,080.00
Exc. KVA Charges	$/kVA	3.82 D		0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$2,102.79	$2,102.79	$2,102.79	$2,102.79	$2,102.79
			A	$2,102.79	$2,102.79	$2,102.79	$2,102.79	$2,102.79
Universal Service Fund	$/kWh	0.0061835 D		618.35	927.53	1113.03	1236.70	2009.64
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D		9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D		54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D		308.55	490.05	598.95	671.55	1125.30
Retail Stability Rider	$/kWh	0.00339 D		338.97	508.46	610.15	677.94	1101.65
Basic Transmission Rider	$/kWh	0.0003839 T		38.39	57.59	69.10	76.78	124.77
Basic Transmission Rider	$/kW	3.31 T		1655.00	1655.00	1655.00	1655.00	1655.00
Transmission Cost Recovery	$/kWh	0.0000478 T		4.78	7.17	8.60	9.56	15.54
Transmission Cost Recovery	$/kW	0.07 T		35.00	35.00	35.00	35.00	35.00
Transmission Under Recovery	$/kWh	0.0000858 T		8.58	12.87	15.44	17.16	27.89
Transmission Under Recovery	$/kW	0.0300000 T		15.00	15.00	15.00	15.00	15.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G		36.86	55.29	66.35	73.72	119.80
APIR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G		89.90	134.85	161.82	179.80	292.18
GENE	$/kWh	0.0463200 G		4632.00	6948.00	8337.60	9264.00	15054.00
GENC	$/kWh	0.0116000 G		1160.00	1740.00	2088.00	2320.00	3770.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D		422.20	633.30	759.96	844.40	1372.15
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D		306.23	459.35	551.22	612.46	995.25
EDR Cost Recover Rider	%	0.0298104 D		62.69	62.69	62.69	62.69	62.69
Distribution Investment Rider	%	25.58994% D		538.10	538.10	538.10	538.10	538.10
gridSMART℠ Rider	$/mo.	4.22 D		4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D		161.07	161.07	161.07	161.07	161.07

Enhanced Service Reliability Rider	%	7.34119% D	154.37	154.37	154.37	154.37	154.37
FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$5,918.76	$8,878.14	$10,653.77	$11,837.52	$19,235.98
		T	$1,756.75	$1,782.63	$1,798.14	$1,808.50	$1,873.20
		D	$5,081.31	$6,105.70	$6,720.32	$7,130.06	$9,691.00
		A	$12,756.82	$16,766.47	$19,172.23	$20,776.08	$30,800.18
			Minimum	Minimum	Minimum	Minimum	Minimum

GENERAL SERVICE-3-Sec

Bill Calculations		Rate Schedule Charges	kW / kWh: 12 / 1,500	12 / 4,000	30 / 6,000	30 / 10,000	40 / 10,000	40 / 14,000
Customer Charge	$/mo.	22.79 D	$22.79	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D	0.00	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0 G	0.00	0.00	0.00	0.00	0.00	0.00
	$/kW	4.16 D	49.92	49.92	124.80	124.80	166.40	166.40
Exc. KVA Charges	$/kVA	3.82 D	0.00	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$72.71	$72.71	$147.59	$147.59	$189.19	$189.19
		A	$72.71	$72.71	$147.59	$147.59	$189.19	$189.19
Universal Service Fund	$/kWh	0.0061835 D	9.28	24.73	37.10	61.84	61.84	86.57
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	6.98	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	0.00	8.38	16.76	33.52	33.52	50.28
(Over 15,000)	$/kWh	0.00363 D	0.00	0.00	0.00	0.00	0.00	0.00
Retail Stability Rider	$/kWh	0.0033897 D	5.08	13.56	20.34	33.90	33.90	47.46
Basic Transmission Rider	$/kWh	0.0003839 T	0.58	1.54	2.30	3.84	3.84	5.37
Basic Transmission Rider	$/kW	3.31 T	39.72	39.72	99.30	99.30	132.40	132.40
Transmission Cost Recovery	$/kWh	0.0000484 T	0.07	0.19	0.29	0.48	0.48	0.68
Transmission Cost Recovery	$/kW	0.10 T	1.20	1.20	3.00	3.00	4.00	4.00
Transmission Under Recovery	$/kWh	0.0000868 T	0.13	0.35	0.52	0.87	0.87	1.22
Transmission Under Recovery	$/kW	0.05 T	0.60	0.60	1.50	1.50	2.00	2.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	0.55	1.47	2.21	3.69	3.69	5.16
APIR	$/kWh	[redacted] G	0.00	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G	1.35	3.60	5.39	8.99	8.99	12.59
GENE	$/kWh	0.0463200 G	69.48	185.28	277.92	463.20	463.20	648.48
GENC	$/kWh	0.0116000 G	17.40	46.40	69.60	116.00	116.00	162.40
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	6.33	16.89	25.33	42.22	42.22	59.11
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D	4.59	12.25	18.37	30.62	30.62	42.87
EDR Cost Recover Rider	%	0.0298104 D	2.17	2.17	4.40	4.40	5.64	5.64
Distribution Investment Rider	%	25.58994% D	18.61	18.61	37.77	37.77	48.41	48.41
gridSMART[SM] Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	5.57	5.57	11.31	11.31	14.49	14.49
Enhanced Service Reliability Rider	%	7.34119% D	5.34	5.34	10.83	10.83	13.89	13.89
FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00	0.00
Total Bill		G	$88.78	$236.75	$355.12	$591.88	$591.88	$828.63
		T	$42.30	$43.60	$106.91	$108.99	$143.59	$145.67
		D	$140.88	$193.73	$343.32	$427.52	$487.24	$571.43
		A	$271.96	$474.08	$805.35	$1,128.39	$1,222.71	$1,545.73
			-	-	-	-	-	-

Bill Calculations		Rate Schedule Charges	kW / kWh: 50 / 12,500	50 / 18,000	75 / 15,000	75 / 30,000	75 / 50,000
Customer Charge	$/mo.	22.79 D	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0 G	0.00	0.00	0.00	0.00	0.00
	$/kW	4.16 D	208.00	208.00	312.00	312.00	312.00
Exc. KVA Charges	$/kVA	3.82 D	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$230.79	$230.79	$334.79	$334.79	$334.79
		A	$230.79	$230.79	$334.79	$334.79	$334.79
Universal Service Fund	$/kWh	0.0061835 D	77.29	111.30	92.75	185.51	309.18
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	44.00	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	0.00	10.89	0.00	54.45	127.05
Retail Stability Rider	$/kWh	0.0033897 D	42.37	61.01	50.85	101.69	169.49
Basic Transmission Rider	$/kWh	0.0003839 T	4.80	6.91	5.76	11.52	19.20
Basic Transmission Rider	$/kW	3.31 T	165.50	165.50	248.25	248.25	248.25
Transmission Cost Recovery	$/kWh	0.0000484 T	0.61	0.87	0.73	1.45	2.42
Transmission Cost Recovery	$/kW	0.10 T	5.00	5.00	7.50	7.50	7.50
Transmission Under Recovery	$/kWh	0.0000868 T	1.09	1.56	1.30	2.60	4.34
Transmission Under Recovery	$/kW	0.0500000 T	2.50	2.50	3.75	3.75	3.75
Auction Cost Recovery Rider	$/kWh	0.0003686 T	4.61	6.63	5.53	11.06	18.43
APIR	$/kWh	[redacted] G	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G	11.24	16.18	13.49	26.97	44.95
GENE	$/kWh	0.0463200 G	579.00	833.76	694.80	1389.60	2316.00
GENC	$/kWh	0.0116000 G	145.00	208.80	174.00	348.00	580.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	52.78	76.00	63.33	126.66	211.10
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D	38.28	55.12	45.93	91.87	153.12

EDR Cost Recover Rider	%	0.0298104 D	6.88	6.88	9.98	9.98	9.98
Distribution Investment Rider	%	25.58994% D	59.06	59.06	85.67	85.67	85.67
gridSMART^SM Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	17.68	17.68	25.64	25.64	25.64
Enhanced Service Reliability Rider	%	7.34119% D	16.94	16.94	24.58	24.58	24.58
FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$735.24	$1,058.74	$882.29	$1,764.57	$2,940.95
		T	$184.11	$188.97	$272.82	$286.13	$303.89
		D	$599.69	$713.66	$801.51	$1,108.83	$1,518.59
		A	$1,518.94	$1,961.37	$1,956.62	$3,159.53	$4,763.43

GENERAL SERVICE-3-Sec
(Cont'd.)

Bill Calculations		Rate Schedule Charges	kW / kWh: 100 / 30,000	100 / 36,000	150 / 30,000	150 / 60,000	150 / 100,000
Customer Charge	$/mo.	22.79 D	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0 G	0.00	0.00	0.00	0.00	0.00
	$/kW	4.16 D	416.00	416.00	624.00	624.00	624.00
Exc. KVA Charges	$/KVA	3.82 D	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$438.79	$438.79	$646.79	$646.79	$646.79
		A	$438.79	$438.79	$646.79	$646.79	$646.79
Universal Service Fund	$/kWh	0.0061835 D	185.51	222.61	185.51	371.01	618.35
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	54.45	76.23	54.45	163.35	308.55
Retail Stability Rider	$/kWh	0.0033897 D	101.69	122.03	101.69	203.38	338.97
Basic Transmission Rider	$/kWh	0.0003839 T	11.52	13.82	11.52	23.03	38.39
Basic Transmission Rider	$/kW	3.31 T	331.00	331.00	496.50	496.50	496.50
Transmission Cost Recovery	$/kWh	0.0000484 T	1.45	1.74	1.45	2.90	4.84
Transmission Cost Recovery	$/kW	0.10 T	10.00	10.00	15.00	15.00	15.00
Transmission Under Recovery	$/kWh	0.0000868 T	2.60	3.12	2.60	5.21	8.68
Transmission Under Recovery	$/kW	0.0500000 T	5.00	5.00	7.50	7.50	7.50
Auction Cost Recovery Rider	$/kWh	0.0003686 T	11.06	13.27	11.06	22.12	36.86
APIR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G	26.97	32.36	26.97	53.94	89.90
GENE	$/kWh	0.0463200 G	1389.60	1667.52	1389.60	2779.20	4632.00
GENC	$/kWh	0.0116000 G	348.00	417.60	348.00	696.00	1160.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	126.66	151.99	126.66	253.32	422.20
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D	91.87	110.24	91.87	183.74	306.23
EDR Cost Recover Rider	%	0.0298104 D	13.08	13.08	19.28	19.28	19.28
Distribution Investment Rider	%	25.58994% D	112.29	112.29	165.51	165.51	165.51
gridSMART^SM Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	33.61	33.61	49.54	49.54	49.54
Enhanced Service Reliability Rider	%	7.34119% D	32.21	32.21	47.48	47.48	47.48
FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$1,764.57	$2,117.48	$1,764.57	$3,529.14	$5,881.90
		T	$372.63	$377.95	$545.63	$572.26	$607.77
		D	$1,258.15	$1,381.07	$1,556.77	$2,171.39	$2,990.89
		A	$3,395.35	$3,876.51	$3,866.97	$6,272.79	$9,480.56

Bill Calculations		Rate Schedule Charges	kW / kWh: 300 / 60,000	300 / 90,000	300 / 120,000	300 / 150,000	300 / 200,000
Customer Charge	$/mo.	22.79 D	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0 G	0.00	0.00	0.00	0.00	0.00
	$/kW	4.16 D	1,248.00	1,248.00	1,248.00	1,248.00	1,248.00
Exc. KVA Charges	$/KVA	3.82 D	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$1,270.79	$1,270.79	$1,270.79	$1,270.79	$1,270.79
		A	$1,270.79	$1,270.79	$1,270.79	$1,270.79	$1,270.79
Universal Service Fund	$/kWh	0.0061835 D	371.01	556.52	742.02	927.53	1236.70
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	163.35	272.25	381.15	490.05	671.55
Retail Stability Rider	$/kWh	0.0033897 D	203.38	305.07	406.76	508.46	677.94
Basic Transmission Rider	$/kWh	0.0003839 T	23.03	34.55	46.07	57.59	76.78
Basic Transmission Rider	$/kW	3.31 T	993.00	993.00	993.00	993.00	993.00
Transmission Cost Recovery	$/kWh	0.0000484 T	2.90	4.36	5.81	7.26	9.68
Transmission Cost Recovery	$/kW	0.10 T	30.00	30.00	30.00	30.00	30.00
Transmission Under Recovery	$/kWh	0.0000868 T	5.21	7.81	10.42	13.02	17.36
Transmission Under Recovery	$/kW	0.0500000 T	15.00	15.00	15.00	15.00	15.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	22.12	33.17	44.23	55.29	73.72

APIR	$/kWh	[redacted] G	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G	53.94	80.91	107.88	134.85	179.80
GENE	$/kWh	0.0463200 G	2779.20	4168.80	5558.40	6948.00	9264.00
GENC	$/kWh	0.0116000 G	696.00	1044.00	1392.00	1740.00	2320.00
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	253.32	379.98	506.64	633.30	844.40
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D	183.74	275.61	367.48	459.35	612.46
EDR Cost Recover Rider	%	0.0298104 D	37.88	37.88	37.88	37.88	37.88
Distribution Investment Rider	%	25.58994% D	325.19	325.19	325.19	325.19	325.19
gridSMART^{SM} Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	97.34	97.34	97.34	97.34	97.34
Enhanced Service Reliability Rider	%	7.34119% D	93.29	93.29	93.29	93.29	93.29
FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$3,551.26	$5,326.88	$7,102.51	$8,878.14	$11,837.52
		T	$1,069.14	$1,084.72	$1,100.30	$1,115.87	$1,141.82
		D	$3,067.28	$3,681.91	$4,296.53	$4,911.17	$5,935.53
		A	$7,687.68	$10,093.51	$12,499.34	$14,905.18	$18,914.87

Ohio Power Company

GENERAL SERVICE-3-Sec (Cont'd.)

Bill Calculations		Rate Schedule Charges	kW / kWh	500 / 100,000	500 / 150,000	500 / 180,000	500 / 200,000	500 / 325,000
Customer Charge	$/mo.	22.79	D	$22.79	$22.79	$22.79	$22.79	$22.79
Energy Charges	$/kWh	0.0000000	G	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000	D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0	G	0.00	0.00	0.00	0.00	0.00
	$/kW	4.16	D	2,080.00	2,080.00	2,080.00	2,080.00	2,080.00
Exc. KVA Charges	$/kVA	3.82	D	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$2,102.79	$2,102.79	$2,102.79	$2,102.79	$2,102.79
			A	$2,102.79	$2,102.79	$2,102.79	$2,102.79	$2,102.79
Universal Service Fund	$/kWh	0.0061835	D	618.35	927.53	1113.03	1236.70	2009.64
Advanced Energy Fund Rider	$/mo.	0.0000000	D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465	D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419	D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363	D	308.55	490.05	598.95	671.55	1125.30
Retail Stability Rider	$/kWh	0.0033897	D	338.97	508.46	610.15	677.94	1101.65
Basic Transmission Rider	$/kWh	0.0003839	T	38.39	57.59	69.10	76.78	124.77
Basic Transmission Rider	$/kW	3.31	T	1655.00	1655.00	1655.00	1655.00	1655.00
Transmission Cost Recovery	$/kWh	0.0000484	T	4.84	7.26	8.71	9.68	15.73

Transmission Cost Recovery	$/kW	0.10 T	50.00	50.00	50.00	50.00	50.00
Transmission Under Recovery	$/kWh	0.0000868 T	8.68	13.02	15.62	17.36	28.21
Transmission Under Recovery	$/kW	0.0500000 T	25.00	25.00	25.00	25.00	25.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	36.86	55.29	66.35	73.72	119.80
APIR	$/kWh	[redacted] G	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G	89.90	134.85	161.82	179.80	292.18
GENE	$/kWh	0.0463200 G	4632.00	6948.00	8337.60	9264.00	15054.00
GENC	*$/kWh*	*0.0116000 G*	*1160.00*	*1740.00*	*2088.00*	*2320.00*	*3770.00*
Phase-In Cost Recovery Rider	$/kWh	0.0042220 D	422.20	633.30	759.96	844.40	1372.15
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D	306.23	459.35	551.22	612.46	995.25
EDR Cost Recover Rider	%	0.0298104 D	62.69	62.69	62.69	62.69	62.69
Distribution Investment Rider	%	25.58994% D	538.10	538.10	538.10	538.10	538.10
gridSMART℠ Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	161.07	161.07	161.07	161.07	161.07
Enhanced Service Reliability Rider	%	7.34119% D	154.37	154.37	154.37	154.37	154.37
FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$5,918.76	$8,878.14	$10,653.77	$11,837.52	$19,235.98
		T	$1,781.91	$1,807.87	$1,823.43	$1,833.82	$1,898.71
		D	$5,081.31	$6,105.70	$6,720.32	$7,130.06	$9,691.00
		A	$12,781.98	$16,791.71	$19,197.52	$20,801.40	$30,825.69

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Edison Electric Institute
Typical Net Monthly Bills
0

Ohio Power Company

GENERAL SERVICE-2-Pri

Bill Calculations		Rate Schedule Charges kW kWh	1,000 200,000	1,000 300,000	1,000 360,000	1,000 400,000	1,000 650,000
Customer Charge	*$/mo.*	*95.47 D*	*$95.47*	*$95.47*	*$95.47*	*$95.47*	*$95.47*
Energy Charges	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
		0.0000000 D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	3.76 D	3,760.00	3,760.00	3,760.00	3,760.00	3,760.00
Exc. KVA Charges	$/kVA	3.82 D	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$3,855.47	$3,855.47	$3,855.47	$3,855.47	$3,855.47
		A	$3,855.47	$3,855.47	$3,855.47	$3,855.47	$3,855.47
Universal Service Fund	$/kWh	0.0061835 D	1,236.70	1,855.05	2,226.06	2,473.40	4,019.28
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	671.55	1,034.55	1,252.35	1,397.55	2,305.05
Retail Stability Rider	$/kWh	0.0033897 D	677.94	1,016.91	1,220.29	1,355.88	2,203.31
Basic Transmission Rider	$/kWh	0.0003706 T	74.12	111.18	133.42	148.24	240.89
Basic Transmission Rider	$/kW	3.44 T	3,440.00	3,440.00	3,440.00	3,440.00	3,440.00
Transmission Cost Recovery	$/kWh	0.0000461 T	9.22	13.83	16.60	18.44	29.97
Transmission Cost Recovery	$/kW	0.07 T	70.00	70.00	70.00	70.00	70.00
Transmission Under Recovery	$/kWh	0.0000828 T	16.56	24.84	29.81	33.12	53.82
Transmission Under Recovery	$/kW	0.03 T	30.00	30.00	30.00	30.00	30.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	73.72	110.58	132.70	147.44	239.59
APIR	$/kWh	[redacted] G	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G	176.70	265.05	318.06	353.40	574.28
GENE	$/kWh	0.0447100 G	8,942.00	13,413.00	16,095.60	17,884.00	29,061.50
GENC	$/kWh	0.0098100 G	1,962.00	2,943.00	3,531.60	3,924.00	6,376.50
Phase-In Cost Recovery Rider	$/kWh	0.0040760 D	815.20	1,222.80	1,467.36	1,630.40	2,649.40
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D	612.46	918.69	1,102.43	1,224.93	1,990.51
EDR Cost Recover Rider	*%*	*0.0298104 D*	*114.93*	*114.93*	*114.93*	*114.93*	*114.93*
Distribution Investment Rider	%	25.58994% D	986.61	986.61	986.61	986.61	986.61
gridSMART℠ Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	295.33	295.33	295.33	295.33	295.33
Enhanced Service Reliability Rider	%	7.34119% D	283.04	283.04	283.04	283.04	283.04
FCR	$/kWh	G	0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$11,154.42	$16,731.63	$20,077.96	$22,308.84	$36,251.87
		T	$3,639.90	$3,689.85	$3,719.83	$3,739.80	$3,864.68
		D	$9,617.22	$11,651.37	$12,871.86	$13,685.53	$18,770.92
		A	$24,411.54	$32,072.85	$36,669.65	$39,734.17	$58,887.46
			Minimum	Minimum	Minimum	Minimum	Minimum

GENERAL SERVICE-3-Pri

Bill Calculations		Rate Schedule Charges kW kWh	1,000 200,000	1,000 300,000	1,000 360,000	1,000 400,000	1,000 650,000
Customer Charge	$/mo.	95.47 D	$95.47	$95.47	$95.47	$95.47	$95.47
Energy Charges	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
		0.0000000 D	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.00 G	0.00	0.00	0.00	0.00	0.00
	$/kW	3.76 D	3,760.00	3,760.00	3,760.00	3,760.00	3,760.00
Exc. KVA Charges	$/kVA	3.82 D	0.00	0.00	0.00	0.00	0.00
Subtotal		G	$0.00	$0.00	$0.00	$0.00	$0.00
		D	$3,855.47	$3,855.47	$3,855.47	$3,855.47	$3,855.47
		A	$3,855.47	$3,855.47	$3,855.47	$3,855.47	$3,855.47
Universal Service Fund	$/kWh	0.0061835 D	1236.70	1855.05	2226.06	2473.40	4019.28
Advanced Energy Fund Rider	$/mo.	0.0000000 D	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	671.55	1034.55	1252.35	1397.55	2305.05

Retail Stability Rider	$/kWh	0.0033897 D	677.94	1016.91	1220.29	1355.88	2203.31
Basic Transmission Rider	$/kWh	0.0003706 T	74.12	111.18	133.42	148.24	240.89
Basic Transmission Rider	$/kW	3.44 T	3440.00	3440.00	3440.00	3440.00	3440.00
Transmission Cost Recovery	$/kWh	0.0000467 T	9.34	14.01	16.81	18.68	30.36
Transmission Cost Recovery	$/kW	0.10 T	100.00	100.00	100.00	100.00	100.00
Transmission Under Recovery	$/kWh	0.0000838 T	16.76	25.14	30.17	33.52	54.47
Transmission Under Recovery	$/kW	0.05 T	50.00	50.00	50.00	50.00	50.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	73.72	110.58	132.70	147.44	239.59
APIR	$/kWh	[redacted] G	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G	176.70	265.05	318.06	353.40	574.28
GENE	$/kWh	0.0447100 G	8942.00	13413.00	16095.60	17884.00	29061.50
GENC	$/kWh	0.0098100 G	1962.00	2943.00	3531.60	3924.00	6376.50
Phase-In Cost Recovery Rider	$/kWh	0.0040760 D	815.20	1222.80	1467.36	1630.40	2649.40
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D	612.46	918.69	1102.43	1224.93	1990.51
EDR Cost Recover Rider	%	0.0298104 D	114.93	114.93	114.93	114.93	114.93
Distribution Investment Rider	%	25.58994% D	986.61	986.61	986.61	986.61	986.61
gridSMART^{SM} Rider	$/mo.	4.22 D	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	295.33	295.33	295.33	295.33	295.33
Enhanced Service Reliability Rider	%	7.34119% D	283.04	283.04	283.04	283.04	283.04
FCR	$/kWh	0.0000000 G	0.00	0.00	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00	0.00	0.00
Total Bill		G	$11,154.42	$16,731.63	$20,077.96	$22,308.84	$36,251.87
		T	$3,690.22	$3,740.33	$3,770.40	$3,790.44	$3,915.72
		D	$9,617.22	$11,651.37	$12,871.86	$13,685.53	$18,770.92
		A	$24,461.86	$32,123.33	$36,720.22	$39,784.81	$58,938.50
			-	-	-	-	-

Edison Electric Institute
Typical Net Monthly Bills
0

Ohio Power Company

GENERAL SERVICE-2-Sub

		Rate Schedule Charges	kW / kWh	5,000 / 1,500,000	5,000 / 2,500,000	5,000 / 3,250,000
Bill Calculations						
Customer Charge	$/mo.	512.00 D		$512.00	$512.00	$512.00
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00
Demand Charges	$/kW	0 T		0.00	0.00	0.00
	$/kW	0.00 D		0.00	0.00	0.00
Exc. KVA Charges	$/KVA	3.82 D		0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00
			D	$512.00	$512.00	$512.00
			A	$512.00	$512.00	$512.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0061835 D		5150.86	5150.86	5150.86
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001681 D		112.12	280.22	406.30
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D		9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D		54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D		5390.55	9020.55	11743.05
Retail Stability Rider	$/kWh	0.0033897 D		5084.55	8474.25	11016.53
Basic Transmission Rider	$/kWh	0.0003632 T		544.80	908.00	1180.40
Basic Transmission Rider	$/kW	3.38 T		16900.00	16900.00	16900.00
Transmission Cost Recovery	$/kWh	0.0000452 T		67.80	113.00	146.90
Transmission Cost Recovery	$/kW	0.07 T		350.00	350.00	350.00
Transmission Under Recovery	$/kWh	0.0000809 T		121.35	202.25	262.93
Transmission Under Recovery	$/kW	0.03 T		150.00	150.00	150.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G		552.90	921.50	1197.95
APIR	$/kWh	[redacted] G		0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G		1317.60	2196.00	2854.80
GENE	$/kWh	0.0438100 G		65715.00	109525.00	142382.50
GENC	$/kWh	0.0039000 G		5850.00	9750.00	12675.00
Phase-In Cost Recovery Rider	$/kWh	0.0039940 D		5991.00	9985.00	12980.50
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D		4593.47	7655.79	9952.53
EDR Cost Recover Rider	%	0.0298104 D		15.26	15.26	15.26
Distribution Investment Rider	%	25.58994% D		131.02	131.02	131.02
gridSMART^{SM} Rider	$/mo.	4.22 D		4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D		39.22	39.22	39.22
Enhanced Service Reliability Rider	%	7.34119% D		37.59	37.59	37.59
FCR	$/kWh	G		0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00
Total Bill			G	$73,435.50	$122,392.50	$159,110.25
			T	$18,133.95	$18,623.25	$18,990.23
			D	$27,125.63	$41,369.75	$52,052.85
			A	$118,695.08	$182,385.50	$230,153.33
				Minimum	Minimum	Minimum

GENERAL SERVICE-3-Sub

		Rate Schedule Charges	kW / kWh	5,000 / 1,500,000	5,000 / 2,500,000	5,000 / 3,250,000
Bill Calculations						
Customer Charge	$/mo.	512.00 D		$512.00	$512.00	$512.00
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00
		0.0000000 D		0.00	0.00	0.00
Demand Charges	$/kW	0.00 G		0.00	0.00	0.00
	$/kW	0.00 T		0.00	0.00	0.00
	$/kW	0.00 D		0.00	0.00	0.00
Exc. KVA Charges	$/KVA	3.82 D		0.00	0.00	0.00
Subtotal			G	0.00	0.00	0.00
			D	$512.00	$512.00	$512.00
			A	$512.00	$512.00	$512.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0061835 D		5,150.86	5,150.86	5,150.86
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001681 D		112.12	280.22	406.30

Advanced Energy Fund Rider	\$/mo.	0.0000000 D	0.00	0.00	0.00
KWH Tax (First 2,000)	\$/kWh	0.00465 D	9.30	9.30	9.30

(Next 13,000)	$/kWh	0.00419 D	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D	5,390.55	9,020.55	11,743.05
Retail Stability Rider	$/kWh	0.0033897 D	5,084.55	8,474.25	11,016.53
Basic Transmission Rider	$/kWh	0.0003632 T	544.80	908.00	1,180.40
Basic Transmission Rider	$/kW	3.38 T	16,900.00	16,900.00	16,900.00
Transmission Cost Recovery	$/kWh	0.0000458 T	68.70	114.50	148.85
Transmission Cost Recovery	$/kW	0.09 T	450.00	450.00	450.00
Transmission Under Recovery	$/kWh	0.0000819 T	122.85	204.75	266.18
Transmission Under Recovery	$/kW	0.05 T	250.00	250.00	250.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	552.90	921.50	1,197.95
APIR	$/kWh	0.0000000 G	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G	1,317.60	2,196.00	2,854.80
GENE	$/kWh	0.0438100 G	65,715.00	109,525.00	142,382.50
GENC	$/kWh	0.0039000 G	5,850.00	9,750.00	12,675.00
Phase-In Cost Recovery Rider	$/kWh	0.0039940 D	5,991.00	9,985.00	12,980.50
EE&PDR Cost Recovery Rider	$/kWh	0.0030623 D	4,593.47	7,655.79	9,952.53
EDR Cost Recover Rider	%	0.0298104 D	15.26	15.26	15.26
Distribution Investment Rider	%	25.58994% D	131.02	131.02	131.02
gridSMART^{SM} Rider	$/mo.	4.22 D	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D	39.22	39.22	39.22
Enhanced Service Reliability Rider	%	7.34119% D	37.59	37.59	37.59
FCR	$/kWh	0.0000000 G	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00
Total Bill		G	$73,435.50	$122,392.50	$159,110.25
		T	$18,336.35	$18,827.25	$19,195.43
		D	$27,125.63	$41,369.75	$52,052.85
		A	$118,897.48	$182,589.50	$230,358.53

GENERAL SERVICE-4-Sub

Bill Calculations		Rate Schedule Charges	kW / kWh	10,000 / 3,000,000	10,000 / 5,000,000	10,000 / 6,500,000	20,000 / 6,000,000	20,000 / 10,000,000	20,000 / 13,000,000
Customer Charge	$/mo.	512.00 D		$512.00	$512.00	$512.00	$512.00	$512.00	$512.00
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00	0.00	0.00	0.00
Demand Charges	$/kW	0.00 G		0.00	0.00	0.00	0.00	0.00	0.00
	$/kW	0.00 D		0.00	0.00	0.00	0.00	0.00	0.00
*Reactive Charges	$/kVAR	0.48 D		0.00	0.00	0.00	0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
			D	$512.00	$512.00	$512.00	$512.00	$512.00	$512.00
			A	$512.00	$512.00	$512.00	$512.00	$512.00	$512.00
Univ. Serv. Fund < 833,000 KWH	$/kWh	0.0061835 D		5150.86	5150.86	5150.86	5150.86	5150.86	5150.86
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001681 D		364.27	700.47	952.62	868.57	1540.97	2045.27
Advanced Energy Fund Rider	$/mo.	0.0000000 D		0.00	0.00	0.00	0.00	0.00	0.00
KWH Tax (First 2,000)	$/kWh	0.00465 D		9.30	9.30	9.30	9.30	9.30	9.30
(Next 13,000)	$/kWh	0.00419 D		54.47	54.47	54.47	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.00363 D		10835.55	18095.55	23540.55	21725.55	36245.55	47135.55
Retail Stability Rider	$/kWh	0.0033897 D		10169.10	16948.50	22033.05	20338.20	33897.00	44066.10
Basic Transmission Rider	$/kWh	0.0003632 T		1089.60	1816.00	2360.80	2179.20	3632.00	4721.60
Basic Transmission Rider	$/kW	3.38 T		33800.00	33800.00	33800.00	67600.00	67600.00	67600.00
Transmission Cost Recovery	$/kWh	0.0002250 T		675.00	1125.00	1462.50	1350.00	2250.00	2925.00
Transmission Cost Recovery	$/kW	0.34 T		3400.00	3400.00	3400.00	6800.00	6800.00	6800.00
Transmission Under Recovery	$/kWh	0.0000854 T		256.20	427.00	555.10	512.40	854.00	1110.20
Transmission Under Recovery	$/kW	0.0500000 T		500.00	500.00	500.00	1000.00	1000.00	1000.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G		1105.80	1843.00	2395.90	2211.60	3686.00	4791.80
APIR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G		2635.20	4392.00	5709.60	5270.40	8784.00	11419.20
GENE	$/kWh	0.0438100 G		131430.00	219050.00	284765.00	262860.00	438100.00	569530.00
GENC	$/kWh	0.0039000 G		11700.00	19500.00	25350.00	23400.00	39000.00	50700.00
Phase-In Cost Recovery Rider	$/kWh	0.0039940 D		11982.00	19970.00	25961.00	23964.00	39940.00	51922.00
EE&PDR Cost Recovery Rider	$/kWh	0.0006320 D		1896.02	3160.04	4108.05	3792.04	6320.07	8216.09
EDR Cost Recover Rider	%	0.0298104 D		15.26	15.26	15.26	15.26	15.26	15.26
Distribution Investment Rider	%	25.58994% D		131.02	131.02	131.02	131.02	131.02	131.02
gridSMART^{SM} Rider	$/mo.	4.22 D		4.22	4.22	4.22	4.22	4.22	4.22
Deferred Asset Phase-In Rider	%	7.66000% D		39.22	39.22	39.22	39.22	39.22	39.22
Enhanced Service Reliability Rider	%	7.34119% D		37.59	37.59	37.59	37.59	37.59	37.59
FCR	$/kWh	0.0000000 G		0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 2				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 3				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 4				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 5				0.00	0.00	0.00	0.00	0.00	0.00
Placeholder 6				0.00	0.00	0.00	0.00	0.00	0.00
Total Bill			G	$146,871.00	$244,785.00	$318,220.50	$293,742.00	$489,570.00	$636,441.00
			T	$39,720.80	$41,068.00	$42,078.40	$79,441.60	$82,136.00	$84,156.80
			D	$41,200.88	$64,828.50	$82,549.21	$76,642.30	$123,897.53	$159,338.95
			A	$227,792.68	$350,681.50	$442,848.11	$449,825.90	$695,603.53	$879,936.75
				Minimum	Minimum	Minimum	Minimum	Minimum	Minimum

GENERAL SERVICE-4-Tran

Bill Calculations		Rate Schedule Charges	kW / kWh	50,000 / 15,000,000	50,000 / 25,000,000	50,000 / 32,500,000
Customer Charge	$/mo.	512.00 D		$512.00	$512.00	$512.00
Energy Charges	$/kWh	0.0000000 G		0.00	0.00	0.00
	$/kWh	0.0000000 D		0.00	0.00	0.00
Demand Charges	$/kW	0.00 G		0.00	0.00	0.00
	$/kW	0.00 D		0.00	0.00	0.00
*Reactive Charges	$/kVAR	0.48 D		0.00	0.00	0.00
Subtotal			G	$0.00	$0.00	$0.00
			D	$512.00	$512.00	$512.00
			A	$512.00	$512.00	$512.00
Univ. Serv. Fund < 833,000 KWH	$/mo.	0.0061835 D		5150.86	5150.86	5150.86
Univ. Serv. Fund > 833,000 KWH	$/kWh	0.0001681		2381.47	4062.47	5323.22
Advanced Energy Fund Rider	$/kWh	0.0000000 D		0.00	0.00	0.00

KWH Tax (First 2,000)	$/mo.	0.0046500 D	9.30	9.30	9.30
(Next 13,000)	$/mo.	0.0041900 D	54.47	54.47	54.47
(Over 15,000)	$/kWh	0.0036300 D	54395.55	90695.55	117920.55
Retail Stability Rider	$/kWh	0.0033897 G	50845.50	84742.50	110165.25
Basic Transmission Rider	$/kWh	0.0003002 T	5440.00	9000.00	11004.00
Basic Transmission Rider	$/kWh	3.38 T	169000.00	169000.00	169000.00
Transmission Cost Recovery	$/kWh	0.0002250 T	3375.00	5625.00	7312.50
Transmission Cost Recovery	$/kWh	0.34 T	17000.00	17000.00	17000.00
Transmission Under Recovery	$/kWh	0.0000854 T	1281.00	2135.00	2775.50
Transmission Under Recovery	$/kWh	0.0500000 T	2500.00	2500.00	2500.00
Auction Cost Recovery Rider	$/kWh	0.0003686 G	5529.00	9215.00	11979.50
APIR	$/kWh	0.0000000 G	0.00	0.00	0.00
AER/PPA	$/kWh	[redacted] G	13176.00	21960.00	28548.00
GENE	$/kWh	0.0438100 G	657150.00	1095250.00	1423825.00
GENC	$/kWh	0.0039000 G	58500.00	97500.00	126750.00
Phase-In Cost Recovery Rider	$/kW	0.0039940	59910.00	99850.00	129805.00
EE&PDR Cost Recovery Rider	%	0.0006320 D	9480.11	15800.18	20540.23
EDR Cost Recover Rider	%	0.0298104 D	15.26	15.26	15.26
Distribution Investment Rider	%	0.2558994 D	131.02	131.02	131.02
gridSMART^{SM} Rider	%	4.22 D	4.22	4.22	4.22
Deferred Asset Phase-In Rider	$/kW	0.0766000 D	39.22	39.22	39.22
Enhanced Service Reliability Rider	$/mo.	0.0734119 D	37.59	37.59	37.59
FCR	$/kWh	0.0000000 G	0.00	0.00	0.00
Placeholder 2			0.00	0.00	0.00
Placeholder 3			0.00	0.00	0.00
Placeholder 4			0.00	0.00	0.00
Placeholder 5			0.00	0.00	0.00
Placeholder 6			0.00	0.00	0.00
Total Bill		G	$734,365.00	$1,223,925.00	$1,591,102.50
		T	$198,604.00	$205,340.00	$210,392.00
		D	$182,966.57	$301,104.64	$389,708.19
		A	$1,115,925.57	$1,730,369.64	$2,191,202.69
			Minimum	Minimum	Minimum

*Reactive charges billed for kVAR in excess of one-half of monthly metered kW.

Ohio Power Company
Confidential PPA Stipulation
Ohio Power Rate Zone

Tariff	kWh	KW	Current	Proposed	$ Difference	Difference
Residential	100		$25.33	$25.61	$0.29	1.1%
	250		$44.52	$44.88	$0.36	0.8%
	500		$76.52	$76.96	$0.44	0.6%
	750		$108.54	$109.07	$0.53	0.5%
	1,000		$140.53	$141.14	$0.62	0.4%
	1,500		$204.54	$205.34	$0.80	0.4%
	2,000		$268.56	$269.53	$0.97	0.4%
GS-1	375	3	$58.28	$58.59	$0.31	0.5%
Secondary	1,000	3	$117.56	$117.71	$0.14	0.1%
	750	6	$93.86	$94.08	$0.22	0.2%
	2,000	6	$212.42	$212.30	-$0.12	-0.1%
GS-2	1,500	12	$269.65	$271.36	$1.71	0.6%
	4,000	12	$472.68	$473.47	$0.78	0.2%
	6,000	30	$801.46	$803.84	$2.38	0.3%
	10,000	30	$1,125.99	$1,126.88	$0.89	0.1%
	10,000	40	$1,218.51	$1,220.70	$2.19	0.2%
	14,000	40	$1,542.99	$1,543.70	$0.70	0.1%
	12,500	50	$1,513.85	$1,516.41	$2.56	0.2%
	18,000	50	$1,958.32	$1,958.84	$0.52	0.0%
	15,000	75	$1,947.98	$1,952.85	$4.87	0.3%
	30,000	100	$3,387.74	$3,390.30	$2.56	0.1%
	36,000	100	$3,871.12	$3,871.46	$0.34	0.0%
	30,000	150	$3,850.38	$3,859.42	$9.04	0.2%
	60,000	300	$7,655.22	$7,672.59	$17.37	0.2%
	90,000	300	$10,072.11	$10,078.36	$6.25	0.1%
	100,000	500	$12,728.33	$12,756.82	$28.49	0.2%
	150,000	500	$16,756.51	$16,766.47	$9.96	0.1%
	180,000	500	$19,173.39	$19,172.23	-$1.16	0.0%

Ohio Power Company
Confidential PPA Stipulation
Ohio Power Rate Zone

Tariff	kWh	KW	Current	Proposed	$ Difference	Difference
GS-3	18,000	50	$1,960.85	$1,961.37	$0.52	0.0%
Secondary	30,000	75	$3,160.21	$3,159.53	-$0.68	0.0%
	50,000	75	$4,771.52	$4,763.43	-$8.09	-0.2%
	36,000	100	$3,876.17	$3,876.51	$0.34	0.0%
	30,000	150	$3,857.93	$3,866.97	$9.04	0.2%
	60,000	150	$6,274.87	$6,272.79	-$2.08	0.0%
	100,000	150	$9,497.47	$9,480.56	-$16.91	-0.2%
	120,000	300	$12,504.21	$12,499.34	-$4.87	0.0%
	150,000	300	$14,921.17	$14,905.18	-$15.99	-0.1%
	200,000	300	$18,949.40	$18,914.87	-$34.53	-0.2%
	180,000	500	$19,198.68	$19,197.52	-$1.16	0.0%
	200,000	500	$20,809.98	$20,801.40	-$8.58	0.0%
	325,000	500	$30,880.61	$30,825.69	-$54.92	-0.2%
GS-2	200,000	1,000	$24,361.69	$24,411.54	$49.85	0.2%
Primary	300,000	1,000	$32,058.17	$32,072.85	$14.68	0.1%
GS-3	360,000	1,000	$36,726.64	$36,720.22	-$6.42	0.0%
Primary	400,000	1,000	$39,805.29	$39,784.81	-$20.48	-0.1%
	650,000	1,000	$59,046.90	$58,938.50	-$108.40	-0.2%
GS-2						
Subtransmission	1,500,000	5,000	$119,185.65	$118,695.08	-$490.57	-0.4%
GS-3	2,500,000	5,000	$183,417.75	$182,589.50	-$828.25	-0.5%
Subtransmission	3,250,000	5,000	$231,440.04	$230,358.53	-$1,081.51	-0.5%
GS-4	3,000,000	10,000	$228,923.60	$227,792.68	-$1,130.92	-0.5%
Subtransmission	5,000,000	10,000	$352,577.00	$350,681.50	-$1,895.50	-0.5%
	6,500,000	10,000	$445,317.05	$442,848.11	-$2,468.94	-0.6%
	10,000,000	20,000	$699,410.50	$695,603.53	-$3,806.97	-0.5%
	13,000,000	20,000	$884,890.60	$879,936.75	-$4,953.85	-0.6%

Ohio Power Company
Confidential PPA Stipulation
Ohio Power Rate Zone

Tariff	kWh	KW	Current	Proposed	$ Difference	Difference
GS-4	25,000,000	50,000	$1,739,911.00	$1,730,369.64	-$9,541.36	-0.6%
Transmission	32,500,000	50,000	$2,203,611.25	$2,191,202.69	-$12,408.56	-0.6%

* Typical bills assume 100% Power Factor

Assumes Moving 1/2 IRP Credit from EE/PDR to EDR
Assumes Moving 50% of Subtran/Tran EE Costs to EDR
Assumes $10/MWh Auto Credit
Assumes additional subscription to IRP
Assumes PPA as $4M Credit allocated on 5CP and collected on kWh

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
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INTERROGATORIES

INT-S1-012 Under the Stipulation, will AEP Ohio offer its contractual entitlement of the electrical output of the generating units owned by OVEC into the PJM energy, capacity, and/or ancillary services markets?

RESPONSE

Yes.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
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INTERROGATORIES

INT-S1-016 Identify any analysis conducted by AEP Ohio to determine the cost impact on residential consumers of reducing its reliance on coal/lignite generation from 74% in 2005 to 48% in 2026?

RESPONSE

The Company has not performed the requested calculation. By December 31, 2016, AEP Ohio will file a carbon emission reduction plan indicating how the Company and its affiliates intend to promote fuel diversification and carbon emission reduction, including an analysis of the economic impact of any proposals for the Commission's consideration.

Prepared by: William A. Allen

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-017. Identify how AEP Ohio plans to reduce its reliance on coal/lignite generation from 74% in 2005 to 48% in 2026?

RESPONSE

By December 31, 2016, AEP Ohio will file a carbon emission reduction plan indicating how the Company and its affiliates intend to promote fuel diversification and carbon emission reduction, including an analysis of the economic impact of any proposals for the Commission's consideration.

Prepared by: William A. Allen

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
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INTERROGATORIES

INT-S1-018 Identify any analysis conducted by AEP Ohio to determine the cost impact on residential consumers of increasing its natural gas generation from 17% in 2005 to 25% by 2026?

RESPONSE

AEP Ohio has no natural gas generation. By December 31, 2016, AEP Ohio will file a carbon emission reduction plan indicating how the Company and its affiliates intend to promote fuel diversification and carbon emission reduction, including an analysis of the economic impact of any proposals for the Commission's consideration.

Prepared by: William A. Allen

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-019 Identify how AEP Ohio plans to increase its natural gas generation from 17% in 2005 to 25% by 2026?

RESPONSE

By December 31, 2016, AEP Ohio will file a carbon emission reduction plan indicating how the Company and its affiliates intend to promote fuel diversification and carbon emission reduction, including an analysis of the economic impact of any proposals for the Commission's consideration.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-020 Identify any analysis conducted by AEP Ohio to determine the cost impact on residential consumers of increasing hydro/wind/solar/pumped storage from 3% in 2005 to 15% in 2026?

RESPONSE

By December 31, 2016, AEP Ohio will file a carbon emission reduction plan indicating how the Company and its affiliates intend to promote fuel diversification and carbon emission reduction, including an analysis of the economic impact of any proposals for the Commission's consideration.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS PUCO CASE NO. 14-1693-EL-RDR FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-021 Identify how AEP Ohio plans to increase hydro/wind/solar/pumped storage from 3% in 2005 to 15% in 2026?

RESPONSE

By December 31, 2016, AEP Ohio will file a carbon emission reduction plan indicating how the Company and its affiliates intend to promote fuel diversification and carbon emission reduction, including an analysis of the economic impact of any proposals for the Commission's consideration. See also section III.I of the Stipulation.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
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INTERROGATORIES

INT-S1-022 Identify any analysis conducted by AEP Ohio to determine the cost impact on residential consumers of increasing energy efficiency/demand response from less than 1% in 2005 to 6% in 2026?

RESPONSE

AEP Ohio has not completed the requested calculation. By December 31, 2016, AEP Ohio will file a carbon emission reduction plan indicating how the Company and its affiliates intend to promote fuel diversification and carbon emission reduction, including an analysis of the economic impact of any proposals for the Commission's consideration. The Company will also make a filing in that same time frame for a new EE/PDR Portfolio Plan for 2017-2019. AEP Ohio currently has energy efficiency/demand response programs in place and plans to continue or expand those efforts as described in Sections III.D, III.E, III.F, and III.G.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
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FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-023 Identify how AEP Ohio plans to increase energy efficiency/demand response from less than 1% in 2005 to 6% in 2026?

RESPONSE

By December 31, 2016, AEP Ohio will file a carbon emission reduction plan indicating how the Company and its affiliates intend to promote fuel diversification and carbon emission reduction, including an analysis of the economic impact of any proposals for the Commission's consideration. The Company will also make a filing in that same time frame for a new EE/PDR Portfolio Plan for 2017-2019. AEP Ohio currently has energy efficiency/demand response programs in place and plans to continue or expand those efforts as described in Sections III.D, III.E, III.F, and III.G.

Prepared by: William A. Allen

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
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INTERROGATORIES

INT-S1-025 In reference to Section H, please identify what "battery resources" AEP Ohio is committing to include in future filings before the Commission.

RESPONSE

Contingent on battery resources being eligible for inclusion in rate base in conjunction with the provision of distribution services, AEP Ohio will include such battery resources in future filings before the Commission. Specific battery technology has not yet been determined.

Prepared by: William A. Allen

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
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INTERROGATORIES

INT-S1-043 Referring to page 5, lines 14-15 of Allen's Direct Testimony, identify what costs associated with providing retail electric service that may not reflected in SSO bypassable rates.

RESPONSE

As described in Section III.C.12.c, AEP Ohio will provide an analysis as part of its next distribution rate case to show all of the actual costs required to provide SSO generation service that are included in the Company's cost of service study.

Prepared by: William A. Allen

**OHIO POWER COMPANY'S RESPONSES TO
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FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-047 Referring to page 7, lines 1-3, of Allen's Direct Testimony, identify the annual cost impact on residential consumers of the two year Pilot Supplier Consolidated Billing Program.

RESPONSE

No costs for the Pilot Supplier Consolidated Billing program will be recovered from retail customers at this time. Recovery of costs from retail customers for the Pilot Supplier Consolidated Billing program may be requested in the context of a distribution base case to the extent that there costs eligible for inclusion in the Company's cost of service at that time.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-048 Referring to page 7, lines 7-8, of Allen's Direct Testimony, identify the cost of converting Conesville Units 5 and 6 to natural gas co-firing by December 31, 2017.

RESPONSE

The Company has not performed the requested calculation/study. As stated in the Stipulation, by July 1, 2016, AEP Ohio will make a cost recovery filing supporting the conversion of Conesville Units 5 and 6 to natural gas co-firing. These units will be converted by December 31, 2017, subject to approval for cost recovery for AEP Ohio through the PPA Rider and any other regulatory approvals.

Prepared by: William A. Allen.

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
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FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-049 Referring to page 7, lines 7-8, of Allen's Direct Testimony, identify what regulatory approvals will be necessary.

RESPONSE

The Company objects to this request as seeking a legal conclusion or opinion that is not attributable to a witness and is more appropriate for briefing and argument by counsel, and which the Company reserve the right to further address in those contexts. Without waiving the objection, the Company states as follows. But the "regulatory approvals" language in Section III.D.9 of the Stipulation is intended to indicate that all required regulatory approvals (as well as cost recovery) must be obtained as a condition of the co-firing project moving forward. For example, the Commission's approval of the project will be sought and obtained as a condition of moving forward with the co-firing project. Beyond that, it has not been determined at this time whether additional regulatory approvals are needed for siting, environmental permits, etc.

Prepared by: Counsel

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-051 Referring to page 7, lines 9-14, of Allen's Direct Testimony, identify the cost of a) retiring, b) refueling, and c) repowering:

1. Conesville Units 5 and 6; and
2. Cardinal Unit 1

RESPONSE

The Company has not performed the requested calculation/study. As stated in the Stipulation, except as provided in Sections III.A.6 (potential depreciation rate change) and III.D.10 (Conesville co-firing costs), no costs to retire, refuel, or repower Conesville Units 5 & 6 or Cardinal Unit 1 shall be recovered through the PPA Rider. If cost recovery is pursued under those exceptions, it will be done through a separate filing in the future that has not yet been prepared.

Prepared by: William A. Allen.

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
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INTERROGATORIES

INT-S1-052 Referring to page 7, lines 15-18, of Allen's Direct Testimony, identify what barriers there may be to retiring, refueling, or repowering a) Conesville Units 5 and 6, and b) Cardinal Unit 1

RESPONSE

AEP Ohio will open a docket at the Commission no later than December 31, 2024, which it will update annually, known as the "Retirement Readiness" docket; the purpose of the docket will be to identify and timely remove any barriers to retiring, refueling or repowering Conesville 5 and 6 and Cardinal Unit 1 by the dates set forth in the Stipulation. The potential barriers will be evaluated and identified as part of that proceeding. No transmission upgrade costs or non-transmission alternative costs associated with the commitments set forth in Section III.D.12 of the Stipulation shall be recovered through the PPA Rider.

Prepared by: William A. Allen

**OHIO POWER COMPANY'S RESPONSES TO
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PUCO CASE NO. 14-1693-EL-RDR
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INTERROGATORIES

INT-S1-053 Referring to page 7, lines 15-18, of Allen's Direct Testimony, identify the costs for removing the barriers there may be to retiring, refueling, or repowering a) Conesville Units 5 and 6, and b) Cardinal Unit 1.

RESPONSE

See the Company's response to OCC-INT-S1-052. No transmission upgrade costs or non-transmission alternative costs associated with the commitments set forth in Section III.D.12 of the Stipulation shall be recovered through the PPA Rider.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-054 Referring to page 7, lines 19-22, of Allen's Direct Testimony, identify the cost of a) retiring, b) refueling, and c) repowering:

1. Conesville Unit 4;
2. Zimmer Unit 1;
3. Stuart Units 1-4; and
4. The OVEC Units.

RESPONSE

The Company has not performed the requested calculation/study. As stated in the Stipulation, except as provided in Sections III.A.6 (potential depreciation rate change), no costs to retire, refuel, or repower the co-owned PPA Units shall be recovered through the PPA Rider. If cost recovery is pursued under those exceptions, it will be done through a separate filing in the future that has not yet been prepared.

Prepared by: William A. Allen.

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-055 Referring to page 7, lines 19-22, of Allen's Direct Testimony, identify what barriers there may be to retiring, refueling, or repowering.

1. Conesville Unit 4;
2. Zimmer Unit 1;
3. Stuart Units 1-4; and
4. The OVEC Units.

RESPONSE

AEP Ohio will open a docket at the Commission no later than December 31, 2024, which it will update annually, known as the "Generation Transition" docket; the purpose of the docket will be to identify and timely remove any barriers to retiring, refueling or repowering the co-owned units. The potential barriers will be evaluated and identified as part of that proceeding. No transmission upgrade costs or non-transmission alternative costs associated with the commitments set forth in Section III.D.13 of the Stipulation shall be recovered through the PPA Rider.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
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INTERROGATORIES

INT-S1-056 Referring to page 7, lines 19-22, of Allen's Direct Testimony, identify the costs for removing the barriers there may be to retiring, refueling, or repowering:

1. Conesville Unit 4;
2. Zimmer Unit 1;
3. Stuart Units 1-4; and
4. The OVEC Units.

RESPONSE

See the Company's response to OCC-INT-S1-055. No transmission upgrade costs or non-transmission alternative costs associated with the commitments set forth in Section III.D.13 of the Stipulation shall be recovered through the PPA Rider.

Prepared by: William A. Allen

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-057 Referring to page 8, lines 6-8, of Allen's Direct Testimony, identify the cost of the 2017-2019 EE/PDR plan to achieve an energy savings goal of 1.33% annually and a demand reduction goal of .75% annually.

RESPONSE

The Company has not performed the requested calculation. AEP Ohio agrees to develop and submit for Commission approval a 2017-2019 EE/PDR Plan designed to achieve an energy savings goal of 1.33% annually and a demand reduction goal of 0.75% annually of baseline energy and demand, respectively, by the end of the Plan period. As part of that filing, AEP Ohio agrees to continue its current practice of bidding eligible peak demand reduction achievements into PJM capacity auctions for the 2017-2019 EE/PDR Plan with any capacity revenues shared consistent with existing Commission policy (80% to customers and 20% retained by the Company). These commitments regarding the 2017-2019 EE/PDR Plan filing are contingent upon approval of the 2017-2019 AEP Ohio EE/PDR Plan, including funding and any other necessary mechanism to ensure the continued recovery of net lost distribution revenues.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-066 Int. 66: Referring to Settlement Exhibit WAA-1, pages 1 and 2, and specifically the provision containing footnote 1, identify each clause in the provision that is not opposed by:

a) Sierra Club;

b) Direct Energy; and

c) IGS.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-068 Referring to Settlement Exhibit WAA-1, page 2, and specifically the provision containing footnote 2, identify each clause in the provision that is not opposed by Sierra Club.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-070 Referring to Settlement Exhibit WAA-1, page 4, and specifically the provision containing footnote 3, identify each clause in the provision that is not opposed by Sierra Club.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-072 Referring to Settlement Exhibit WAA-1, page 4, and specifically the provision containing footnote 4, identify each clause in the provision in which a) Sierra Club, b) Direct Energy, and c) IGS is not participating.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-075 Referring to Settlement Exhibit WAA-1, page 4, and specifically the provision containing footnote 4, identify each clause in the provision that is not opposed by:

a) Sierra Club;

b) Direct Energy; and

c) IGS.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-077 Referring to Settlement Exhibit WAA-1, page 4, and specifically the provision containing footnote 5, identify each clause in the provision that is not opposed by:

a) Sierra Club;

b) Direct Energy; and

c) IGS.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-079 Referring to Settlement Exhibit WAA-1, page 4, and specifically the provision containing footnote 5, identify each clause in the provision in which a) Sierra Club, b) Direct Energy, and c) IGS is not participating.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-083 Referring to Settlement Exhibit WAA-1, page 5, and specifically the provision containing footnote 6, identify each clause in the provision in which a) Sierra Club, b) Direct Energy, and c) IGS is not participating.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-085 Referring to Settlement Exhibit WAA-1, page 7, and specifically the provision containing footnote 7, identify each clause in the provision that is not opposed by Sierra Club.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-087 Referring to Settlement Exhibit WAA-1, page 7, and specifically the provision containing footnote 7, identify each clause in the provision in which Sierra Club is not participating.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-089 Referring to Settlement Exhibit WAA-1, page 12, and specifically the provision containing footnote 11, identify each clause in which Ohio Partners for Affordable Energy is not participating.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORIES

INT-S1-092 Referring to Settlement Exhibit WAA-1, page 33, and specifically the provisions to which footnote 14 applies, identify each clause that is not opposed by:

a) Sierra Club;

b) Direct Energy; and

c) IGS.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-094 Referring to Settlement Exhibit WAA-1, page 34, and specifically the provision containing footnote 15, identify each clause in the provision that is not opposed by Sierra Club.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORIES

INT-S1-096 Referring to Settlement Exhibit WAA-1, page 34, and specifically the provision containing footnote 15, identify each clause in the provision in which Sierra Club is not participating.

RESPONSE

The footnote covers the sentence to which it is attached.

Prepared by: Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

REQUESTS FOR ADMISSION

RFA-S1-008 Referring to page 4, lines 18-20 of Allen's Direct Testimony, admit that AEP Ohio may seek to increase the charge for the a) riders and b) tariffs in its filing to extend the current ESP.

RESPONSE

As described in Section III.C of the Stipulation, AEP Ohio may seek to increase the charge for riders and tariffs in its filing to extend the current ESP.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

REQUESTS FOR ADMISSION

RFA-S1-010 Admit that you will not seek to extend the PPA Rider beyond May 31, 2024.

RESPONSE

The Company objects to the form of the question and further objects because this request seeking the Company's expectations about future filings and decisions is vague, overbroad and requests information that is not presently known with certainty. The Company cannot either admit or deny this statement. There may be circumstances that could cause the Company to request to extend the PPA Rider beyond May 31, 2024. For example, the Company could propose in the future to extend the PPA Rider for inclusion of 20 year PPAs for wind or solar energy.

Prepared by: William A. Allen/Counsel

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

REQUESTS FOR ADMISSION

RFA-S1-012 Admit that you will seek cost recovery through a PPA Rider for a) retiring, b) refueling, and c) repowering:

1. Conesville Units 5 and 6; and
2. Cardinal Unit 1.

RESPONSE

The Company objects to the form of the question and further objects because this request seeking the Company's expectations about a future decision that has not been made is vague, overbroad and requests information that is not presently known with certainty. The Company cannot either admit or deny this statement. The Company cannot speculate regarding a filing related to unknown costs that may or may not occur.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

REQUESTS FOR ADMISSION

RFA-S1-013 Admit that you will seek cost recovery through a PPA Rider for removing the barriers there may be to retiring, refueling, or repowering a) Conesville Units 5 and 6, and b) Cardinal Unit 1.

RESPONSE

The Company objects to the form of the question and further objects because this request seeking the Company's expectations about a future decision that has not been made is vague, overbroad and requests information that is not presently known with certainty. The Company cannot either admit or deny this statement. The Company cannot speculate regarding a filing related to unknown costs that may or may not occur.

Prepared by: William A. Allen/Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

REQUESTS FOR ADMISSION

RFA-S1-014 Admit that you will seek cost recovery through a PPA Rider for a) retiring, b) refueling, and c) repowering:

1. Conesville Unit 4;
2. Zimmer Unit 1;
3. Stuart Units 1-4; and
4. The OVEC Units.

RESPONSE

The Company objects to the form of the question and further objects because this request seeking the Company's expectations about a future decision that has not been made is vague, overbroad and requests information that is not presently known with certainty. The Company cannot either admit or deny this statement. The Company cannot speculate regarding a filing related to unknown costs that may or may not occur.

Prepared by: William A. Allen/Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

REQUESTS FOR ADMISSION

RFA-S1-015 Admit that you will seek cost recovery through a PPA Rider for removing the barriers there may be to retiring, refueling, or repowering:

1. Conesville Unit 4;
2. Zimmer Unit 1;
3. Stuart Units 1-4; and
4. The OVEC Units.

RESPONSE

The Company objects to the form of the question and further objects because this request seeking the Company's expectations about a future decision that has not been made is vague, overbroad and requests information that is not presently known with certainty. The Company cannot either admit or deny this statement. The Company cannot speculate regarding a filing related to unknown costs that may or may not occur.

Prepared by: William A. Allen/Counsel

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

REQUESTS FOR ADMISSION

RFA-S1-016 Referring to page 8, lines 9-13, of Allen's Direct Testimony, admit that you will seek cost recovery through the PPA Rider for the methods by which you intend to promote fuel diversification and carbon emission reductions indicated in the Carbon Reduction Plan.

RESPONSE

The Company objects to the form of the question and further objects because this request is vague, overbroad and requests information that is not presently known with certainty. The Company has committed to make a filing to seek recovery of costs related to the conversion of Conesville 5 and 6 to natural gas co-firing. Beyond that filing, the Company cannot speculate regarding a filing related to unknown costs that may or may not occur.

Prepared by: William A. Allen/Counsel

**OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

REQUESTS FOR ADMISSION

RFA-S1-017 Referring to page 8, lines 14-19, of Allen's Direct Testimony, admit that you will seek cost recovery through the PPA Rider for the programs to promote fuel diversity and carbon emission reductions to address potential future environmental regulations.

RESPONSE

Objection, The Company cannot either admit or deny this statement. The Company has committed to make a filing to seek recovery of costs related to the conversion of Conesville 5 and 6 to natural gas co-firing. Beyond that filing, the Company cannot speculate regarding a filing related to unknown costs that may or may not occur.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

REQUESTS FOR ADMISSION

RFA-S1-018 Referring to page 9, lines 10-17, admit that you will seek cost recovery through the PPA Rider for developing a) 500 MW of wind energy projects, and b) 400 MW of solar energy projects in Ohio.

RESPONSE

Admit.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

REQUESTS FOR PRODUCTION OF DOCUMENTS

RPD-S1-004 Please provide all documents relied upon to support the statement in Section M of the Stipulation: "The Signatory Parties agree that the Stipulation preserves and advances the positive results of the MRO v. ESP test under R.C. 4928.143(C) as found in the *ESP III Order.*"

RESPONSE

See the Company's response to OCC-RPD-S1-019.

Prepared by: William A. Allen

OHIO POWER COMPANY'S RESPONSES TO
OHIO CONSUMERS' COUNSEL'S DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION

REQUESTS FOR PRODUCTION OF DOCUMENTS

RPD-S1-019 Referring to page 10, lines 6-9, produce all analyses, workpapers, or other documents related to the assertion that "the Stipulation preserves and advances the positive results of the MRO v. ESP test . . . ."

RESPONSE

As shown in Settlement Exhibit WAA-2, the proposed PPA rider is estimated to produce net benefits of $721 million over the revised term of the PPA. These benefits are in addition to the benefits previously included in the MRO vs. ESP test included in the Commission's orders in Case No 13-2385-EL-SSO. Workpapers supporting this analysis have been previously provided. The proposed extension of the current ESP may provide additional benefits as compared to an MRO.

Prepared by: William A. Allen

John A. Seryak Errata Sheet

Direct Testimony Filed December 28, 2015

Page	Line	Change
2	10	Replace "energyefficiency" with "energy efficiency"
2	21	Replace "costs" with "revenues"
4	Fn. 1	Replace "Opinion and Order at 15" with "Opinion and Order at 20"
4	Fn. 2	Replace "Id. at 19" with "Id. at 24"
4	2	Add "and the public interest" after "customers"
4	4	Add "and the public interest" after "customers"
6	5	Delete "previously"
8	5	Replace "reference" with "weather normalized"
8	16	Replace "AEP Ohio's generation" with "the PPA units"
10	3	Replace "PPA rider" with "Stipulation"
14	11	Replace "AEP's" with "AEP Ohio's"
17	16	Replace "AEP Energy" with "AEP Generation Resources"

Attachment – JAS-3

EXHIBIT
32
OMAEG
PENGAD 800-631-6989

Projected vs. Actual (percent difference)	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
AEO 1994	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
AEO 1995		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
AEO 1996			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 1997				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 1998					[illegible]	[illegible]	[illegible]	[illegible]	-0.2	[illegible]	-0.2	0.0	[illegible]	-0.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 1999						[illegible]	[illegible]	[illegible]	0.2	-0.3	-0.1	-0.4	[illegible]	[illegible]	[illegible]	0.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2000							[illegible]	[illegible]	0.2	-0.1	[illegible]	[illegible]	-0.4	[illegible]	-0.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2001								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2002									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2003										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2004											0.0	[illegible]	0.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2005												0.0	-0.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2006													0.4	[illegible]	0.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2007														[illegible]	-0.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2008															[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2009																-0.2	[illegible]	-0.5	[illegible]	[illegible]	[illegible]
AEO 2010																	-0.2	[illegible]	[illegible]	[illegible]	[illegible]
AEO 2011																		-0.2	[illegible]	[illegible]	[illegible]
AEO 2012																			0.4	[illegible]	0.5
AEO 2013																				0.5	[illegible]
AEO 2014																					-0.1
Average Absolute Percent Difference	0.6	1.0	1.9	3.1	2.8	4.3	3.8	4.9	3.0	3.2	3.0	3.1	3.3	3.4	3.4	4.1	6.9	5.3	5.9	8.1	8.8

Sources: Projections: *Annual Energy Outlook*, Reference Case Projections, Various Editions.

Historical Data: U.S. Energy Information Administration, September 2014 Monthly Energy Review, DOE/EIA-0035(2013/08) (Washington, DC, September 25, 2014), Table 7.1.

**OHIO POWER COMPANY'S RESPONSES TO
THE ENVIRONMENTAL LAW AND POLICY CENTER
DISCOVERY REQUESTS
PUCO CASE NO. 14-1693-EL-RDR
FIRST SET-JOINT STIPULATION AND RECOMMENDATION**

INTERROGATORY

INT-S4-025 Refer to Section III.D.13 of the Stipulation.

a) Provide any available projections of potential annual energy savings and peak demand reduction that may result from deployment of 160 circuits of Volt/Var Optimization.

b) Will energy savings resulting from Volt/Var Optimization be counted toward meeting AEP Ohio's energy efficiency target under Ohio Revised Code 4928.66 or the agreed savings benchmarks in Section III.D.16?

c) With respect to cost recovery contemplated under Section III.D.13.a, what ROE does AEP Ohio plan to seek for the costs of Volt/Var Optimization?

d) With respect to cost recovery contemplated under Section III.D.13.c, what ROE does AEP Ohio plan to seek for the costs of Volt/Var Optimization?

e) Does AEP Ohio believe that approval of this provision of the Stipulation commits the Commission to approving a settlement in Case No. 13-1939-EL-RDR if the settlement is consistent with the terms of this provision?

f) Explain the potential benefits of including Volt/Var optimization in the Stipulation.

RESPONSE

a) As indicated in the Company's Application in Case No. 13-1939 (attachment A, Page 7), "AEP Ohio estimates that a 3 percent reduction in energy consumption and a 2 to 3 percent reduction in peak demand can be obtained on those circuits on which the technology is deployed." The benefits will be more fully described in the grid modernization business plan.
b) Energy savings resulting from Volt/Var Optimization will be counted toward the Company's overall achievement of EE/PDR above and beyond the agreed upon savings benchmarks in Section III.D.15 of the Stipulation.
c) The ROE has not yet been determined.
d) The ROE has not yet been determined.
e) No.
f) Volt/VAR optimization can increase energy efficiency. The benefits will be more fully described in the grid modernization business plan.

Prepared by: William A. Allen

EXHIBIT
18
ELPC
PENGAD 800-631-6989

OHIO POWER COMPANY'S RESPONSES TO THE ENVIRONMENTAL LAW AND POLICY CENTER DISCOVERY REQUESTS PUCO CASE NO. 14-1693-EL-RDR FIRST SET-JOINT STIPULATION AND RECOMMENDATION

INTERROGATORY

INT-S4-026 Refer to Section III.D.15 of the Stipulation.

a) Will AEP Ohio's 2017-2019 EE/PDR Plan include any programs designed to count energy savings resulting from actions taken by customers pursuant to Ohio Revised Code 4928.662(A)?

b) For purposes of meeting the 1.33% annual energy savings goal, will AEP Ohio:

i. Count energy savings on an as found or deemed basis?

ii. Count gross or net energy savings?

c) In terms of megawatt-hours of energy savings, what is the difference between AEP Ohio's energy savings commitment under this provision and AEP Ohio's energy savings obligation under current Ohio law?

d) In terms of megawatts, what is the difference between AEP Ohio's peak demand reduction commitment under this provision and AEP Ohio's peak demand reduction obligation under current Ohio law?

e) What capacity revenues has AEP Ohio received from bidding peak demand reduction achievements into the PJM capacity auction:

   i. From the auctions for each planning year from 2011/2012 through 2018/2019?

   ii. In each calendar year from 2009 through 2014?

f) Does AEP Ohio's commitment to bid peak demand reduction achievements into PJM capacity auctions include peak demand reduction resources resulting from AEP Ohio's IRP tariff?

g) Are the peak demand reduction resources from AEP Ohio's current EE/PDR programs or IRP tariff currently eligible to be bid into the PJM capacity markets as Capacity Performance resources?

h) Has AEP Ohio conducted any analysis of the amount of peak demand reduction resources from its EE/PDR programs or IRP tariff that will be eligible for bidding into the PJM capacity markets as either Base Capacity Resources or Capacity Performance Resources in 2016 through 2019?

i) If the answer to subsection (h) is yes, how many megawatts of peak demand reduction resources does AEP Ohio project will be eligible for bidding into future PJM capacity auctions (differentiating between Base Capacity Resources and Capacity Performance gosustainable energy

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