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CITIZENS ELECTRIC CORPORATION

STE. GENEVIEVE, MISSOURI

2001
Cost of
Service Study
and
Rate Analysis

FILED³

NOV 01 2001

Missouri Public
Service Commission

Prepared By



Ledbetter, Toth & Associates, Inc.

Consulting Engineers

Springfield, Missouri

CITIZENS ELECTRIC CORPORATION

STE. GENEVIEVE, MISSOURI

2001 Cost of Service Study and Rate Analysis

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2001 COST OF SERVICE STUDY AND RATE ANALYSIS

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Section A

Summary Schedules/Proposed Tariffs

Citizens Electric Corporation

Revenue Summary by Rate Class

<u>Line No.</u>	<u>Rate</u>	<u>No. of Consumers*</u>	<u>Adjusted Revenue</u>	<u>Proposed Revenue</u>	<u>Revenue Change Amount</u>	<u>Percent</u>
1						
2	Residential / Religious	21,931	\$17,419,903	\$20,689,367	\$3,269,464	18.8%
3						
4	General Non-Demand < 25kW	1,967	\$2,030,839	\$2,287,516	\$256,677	12.6%
5						
6	General Demand > 25 kW:					
7	General Demand	331	\$10,628,009	\$12,419,819	\$1,791,810	16.9%
8	Demand Optional	96	\$403,809	\$415,332	\$11,523	2.9%
9	Total General Demand > 25 kW	427	\$11,031,818	\$12,835,151	\$1,803,333	16.3%
10						
11	Outdoor Lighting	0	\$345,336	\$376,021	\$30,685	8.9%
12						
13	Street Lighting	2	\$57,854	\$81,039	\$23,185	40.1%
14						
15	Special Contract Accounts (1)	5	\$16,353,265	\$17,518,725	\$1,165,460	7.1%
16						
17	Total	24,332	\$47,239,015	\$53,787,819	\$6,548,804	13.9%
18						
19						
20	* number of consumers as of August 2001					
21						
22	(1) Special contract accounts include Mississippi Lime, Procter & Gamble,					
23	M & W Packaging, Chemical Lime and Procter & Gamble Bulk Plant					

Citizens Electric Corporation

Average Bill Comparison Under Existing and Proposed Rates

Line No.	Rate	Average kWh Usage	<u>Existing Rates</u>		<u>Proposed Rates</u>		<u>Rate Change (%)</u>	
			<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
1								
2	Residential	1,000	\$73.89	\$73.89	\$85.80	\$85.80	\$11.91	\$11.91
3							16.1%	16.1%
4								
5	General Non-Demand	1,150						
6	Single Phase		\$94.94	\$99.91	\$103.36	\$107.50	\$8.42	\$7.59
7							8.9%	7.6%
8								
9	Three Phase		\$100.35	\$105.32	\$114.36	\$118.50	\$14.01	\$13.18
10							14.0%	12.5%
11								
12	General Demand	53,500	\$2,560.21	\$2,664.61	\$2,897.80	\$3,241.45	\$337.59	\$576.84
13		145 kW					13.2%	21.6%
14								
15	Optional - 1 phase	5,200	\$299.45	\$438.47	\$315.58	\$431.50	\$16.13	(\$6.97)
16							5.4%	-1.6%
17								
18	Optional - 3 phase	5,200	\$307.51	\$446.53	\$326.58	\$442.50	\$19.07	(\$4.03)
19							6.2%	-0.9%

Citizens Electric Corporation
Ste. Genevieve, Missouri

Rate Schedule Summary

Line

No.

Existing Rates

Proposed Rates

1	Residential / Religious	Residential / Religious
2	Customer Charge @ \$5.59	Customer Charge @ \$9.00
3	First 500 kWh @ \$.0748/kWh	First 500 kWh @ \$.0846/kWh
4	501-1,000 kWh @ \$.0618/kWh	501-1,000 kWh @ \$.0690/kWh
5	Excess Summer kWh @ \$.0618/kWh	Excess Summer kWh @ \$.0690/kWh
6	Excess Winter kWh @ \$.0345/kWh	Excess Winter kWh @ \$.0456/kWh
7		
8	General - Non Demand < 25 kW	General Service < 100 kW
9	Customer Single Phase @ \$5.59	Customer Single Phase @ \$9.00
10	Customer Three Phase @ \$11.00	Customer Three Phase @ \$20.00
11	First 500 kWh @ \$.0910/kWh	First 500 kWh @ \$.0930/kWh
12	501-1,000 kWh @ \$.0751/kWh	501-1,000 kWh @ \$.0800/kWh
13	Excess Summer kWh @ \$.0751/kWh	Excess Summer kWh @ \$.0800/kWh
14	Excess Winter kWh @ \$.0420/kWh	Excess Winter kWh @ \$.0524/kWh
15		
16	General Demand 25 kW and Over	Large Power- 100 kW and Over
17	Customer @ \$48.06	Customer @ \$50.00
18	Summer kW @ \$9.19/kW	Summer kW @ \$11.31/kW
19	Winter kW @ \$8.47/kW	Winter kW @ \$8.94/kW
20	All kWh @ \$.024/kWh	All kWh @ \$.029/kWh
21		
22	<u>General Demand - Optional</u>	
23	Customer Single Phase @ \$40.00	
24	Customer Three Phase @ \$48.06	
25	First 500 kWh @ \$.0910/kWh	
26	501-1,000 kWh @ \$.0751/kWh	
27	Excess Summer kWh @ \$.0751/kWh	
28	Excess Winter kWh @ \$.0420/kWh	
29		
30	Outdoor Lighting	Outdoor Lighting
31	100 Watt HPS @ \$5.69	100 Watt HPS @ \$6.18
32	250 Watt HPS @ \$10.01	250 Watt HPS @ \$10.85
33	175 Watt MVL* @ \$3.94	175 Watt MVL* @ \$4.40
34	Transformer @ \$2.60	Transformer @ \$2.90
35	* Customer owned	* Customer owned

Citizens Electric Corporation
Ste. Genevieve, Missouri

Rate Schedule Summary - Contract Rates

Line

No.

Existing Rates

Proposed Rates

1	Mississippi Lime	Mississippi Lime
2	Summer Coin kW Demand @ \$15.467/kW	Summer Coin kW Demand @ \$16.979/kW
3	Winter Coin kW Demand @ \$9.292/kW	Winter Coin kW Demand @ \$11.343/kW
4	Non-Coin kW Demand @ \$1.623/kW	Non-Coin kW Demand @ \$1.623/kW
5	All kWh @ \$.01679/kWh	All kWh @ \$.01766/kWh
6		
7	Procter & Gamble	Procter & Gamble
8	Summer Coin kW Demand @ \$15.166/kW	Summer Coin kW Demand @ \$16.648/kW
9	Winter Coin kW Demand @ \$9.111/kW	Winter Coin kW Demand @ \$11.122/kW
10	Non-Coin kW Demand @ \$1.740/kW	Non-Coin kW Demand @ \$1.740/kW
11	All kWh @ \$.01646/kWh	All kWh @ \$.01731/kWh
12		
13	M & W Packaging	M & W Packaging
14	Summer Coin kW Demand @ \$14.520/kW	Summer Coin kW Demand @ \$15.999/kW
15	Winter Coin kW Demand @ \$8.722/kW	Winter Coin kW Demand @ \$10.740/kW
16	Non-Coin kW Demand @ \$2.630/kW	Non-Coin kW Demand @ \$2.630/kW
17	All kWh @ \$.01576/kWh	All kWh @ \$.01661/kWh
18		
19	Chemical Lime	Chemical Lime
20	Summer Coin kW Demand @ \$15.166/kW	Summer Coin kW Demand @ \$16.648/kW
21	Winter Coin kW Demand @ \$9.111/kW	Winter Coin kW Demand @ \$11.122/kW
22	Non-Coin kW Demand @ \$3.930/kW	Non-Coin kW Demand @ \$3.930/kW
23	All kWh @ \$.01646/kWh	All kWh @ \$.01731/kWh
24		
25	Procter & Gamble Bulk	Procter & Gamble Bulk
26	Distribution Facilities @ \$1.25/kW	Distribution Facilities @ \$1.25/kW
27	Summer kW Demand @ \$8.25/kW	Summer kW Demand @ \$8.25/kW
28	Winter kW Demand @ \$5.50/kW	Winter kW Demand @ \$5.50/kW
29	Summer kWh @ \$.0150/kWh	Summer kWh @ \$.0150/kWh
30	Winter kWh @ \$.0125/kWh	Winter kWh @ \$.0125/kWh
31		
32	Street Lighting	Street Lighting
33	All kWh @ \$.0534/kWh	All kWh @ \$.0748/kWh

P. S. C. MO No. 7 4th Revised Sheet No. A

Canceling P. S. C. MO No. 7 3rd Revised Sheet No. A

Citizens Electric Corporation
Name of Issuing Company

Type of Service: Electric

For: All Territory Served

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* indicates new rate or text

+ indicates change

Date of Issue: November 1, 2001

Date Effective: December 1, 2001

Issued By Charles E. Hurst, President
Name of Officer Title

Ste. Genevieve, Missouri
Address

Citizens Electric Corporation
 Name of Issuing Company

Type of Service: ElectricFor: All Territory Served

RESIDENTIAL AND RELIGIOUS SERVICE

+ **Availability:**

- + Available for service to residential customers for domestic use and religious establishments, subject to the General Rules and Regulations of the Corporation as filed with and approved by the Missouri Public Service Commission.

Character of Service:

- + Single phase, 60 hertz, at 120/240 volts.

+ **Net Monthly Rate:**

- | | | |
|---|------------------------------|-------------|
| + | Customer charge: | \$9.00 |
| + | Energy Charge: First 500 kWh | \$.0846/kWh |
| + | Next 500 kWh | \$.0690/kWh |
| + | Summer kWh Over 1,000 | \$.0690/kWh |
| + | Winter kWh Over 1,000 | \$.0456/kWh |

* **Summer/Winter Definition:**

- * Summer billing shall refer to the months of June through September. Winter billing shall refer to the months of October through May.

* **Minimum Bill:**

- + The minimum bill shall be the customer charge.

Tax Adjustment:

There shall be added to the customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, or other similar fee or tax now or hereafter imposed upon the utility by any municipality or other governmental authority.

* indicates new rate or text

+ indicates change

Date of Issue: November 1, 2001Date Effective: December 1, 2001

Issued By Charles E. Hurst, President
 Name of Officer Title

Ste. Genevieve, Missouri
 Address

P. S. C. MO No. 7 3rd Revised Sheet No. 2

Canceling P. S. C. MO No. 7 2nd Revised Sheet No. 2

Citizens Electric Corporation
Name of Issuing Company

Type of Service: Electric

For: All Territory Served

RESIDENTIAL AND RELIGIOUS SERVICE (Continued)

Conditions of Use:

- + This classification applies to service for religious establishments used primarily on weekends and residential use only. The use of such service for business, commercial or other purposes shall be prohibited from this classification.

- + The above rates apply to residential service for a single household or religious building only. In multiple-household premises each such household shall be separately metered if practicable.

Terms of Payment:

The above rates are net. All bills are payable within twenty-one (21) days of the date of the bill, and are subject to discontinuance of service for nonpayment within six (6) days thereafter.

Term of Contract:

Initial term of one year, terminable thereafter upon 48 hours notice.

* indicates new rate or text

+ indicates change

Date of Issue: November 1, 2001

Date Effective: December 1, 2001

Issued By Charles E. Hurst, President
Name of Officer Title

Ste. Genevieve, Missouri
Address

Citizens Electric Corporation

Name of Issuing Company

Type of Service: ElectricFor: All Territory Served**GENERAL SERVICE****+ Availability:**

- + Available to general service use where the maximum demand is less than 100
- + kilowatts, subject to the General Rules and Regulations of the Corporation as filed
- + with and approved by the Missouri Public Service Commission.

Character of Service:

- + Single-phase available at 120/240 volts or three phase available at 240 or 480
- + volts, 60 hertz.

The Corporation shall not be required to supply three phase service to installations which, in its judgement, do not so require, nor where in its judgement, the revenue to be derived therefrom will not justify the cost of providing it.

- + The consumer shall be required to furnish and maintain at his own expense any transformers which may be necessary for lighting or other applications at voltages or phasing other than those at which the service is metered.

- * When a customer's monthly usage exceeds 25,000 kWh for two consecutive
- * months, or the Corporation has reason to believe that customer's demand may
- * exceed 100 kW, the Corporation will install a demand meter for purposes of
- * measuring customer's kW demand.

+ Net Monthly Rate:

+	Customer charge:	Single phase service	\$9.00
		Three phase service	\$20.00
+	Energy Charge:	First 500 kWh	\$.0930/kWh
		Next 500 kWh	\$.0800/kWh
		Summer kWh Over 1,000	\$.0800/kWh
		Winter kWh Over 1,000	\$.0524/kWh

* indicates new rate or text

+ indicates change

Date of Issue: November 1, 2001Date Effective: December 1, 2001

Issued By Charles E. Hurst, President
 Name of Officer Title

Ste. Genevieve, Missouri
 Address

Citizens Electric Corporation
Name of Issuing Company

Type of Service: Electric

For: All Territory Served

GENERAL SERVICE (Continued)

* Summer/Winter Definition:

- * Summer billing shall refer to the months of June through September. Winter
- * billing shall refer to the months of October through May.

* Minimum Bill:

- + The minimum bill shall be the corresponding customer charge for single phase
- + and three phase service.

Tax Adjustment:

There shall be added to the customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, or other similar fee or tax now or hereafter imposed upon the utility by any municipality or other governmental authority.

Terms of Payment:

The above rates are net. All bills are payable within twenty-one (21) days of the date of the bill, and are subject to discontinuance of service for nonpayment within six (6) days thereafter.

Term of Contract:

Initial term of one year, terminable thereafter upon 48 hours notice.

* indicates new rate or text
+ indicates change

Date of Issue: November 1, 2001 Date Effective: December 1, 2001

Issued By Charles E. Hurst, President Ste. Genevieve, Missouri
Name of Officer Title Address

Citizens Electric Corporation
Name of Issuing Company

Type of Service: Electric

For: All Territory Served

LARGE POWER SERVICE

+ Availability:

+ Available for general service use where the maximum demand is 100 kilowatts or more, subject to the General Rules and Regulations of the Corporation as filed with and approved by the Missouri Public Service Commission. In purely industrial installations where the use of lighting is incidental to the use of power such lighting may be included with the power provided, however, that the Consumer shall furnish any transformers which may be necessary to supply any voltage other than that at which the service is metered.

* If customer's measured demand is less than 100 kW for twelve consecutive billing periods, the customer may be removed from this rate and placed under another applicable rate schedule.

Character of Service:

+ Three-phase, 60 hertz, at 12.47 kV primary, or 240 or 480 volts secondary.

+ The consumer shall be required to furnish and maintain at his own expense any transformers which may be necessary for lighting or other applications at voltages or phasing other than those at which the service is metered.

+ Net Monthly Rate:

+ Customer charge:	\$50.00
+ Demand Charge: All Summer kW Demand	\$11.31/kW
+ All Winter kW Demand	\$8.94/kW
+ Energy Charge: All kWh	\$.0290/kWh

*** Summer/Winter Definition:**

* Summer billing shall refer to the months of June through September. Winter billing shall refer to the months of October through May.

* indicates new rate or text
+ indicates change

Date of Issue: November 1, 2001 Date Effective: December 1, 2001

Issued By <u>Charles E. Hurst</u>	<u>President</u>	<u>Ste. Genevieve</u>	<u>Missouri</u>
Name of Officer	Title	Address	

Citizens Electric Corporation

Name of Issuing Company

Type of Service: Electric

For: All Territory Served

LARGE POWER SERVICE (Continued)

* **Minimum Bill:**

- + The minimum bill shall be the customer charge.

Primary Service Credit:

- + Primary Service Credit: All kW Demand \$.30/kW

- + The credit is available when the consumer furnishes transformers and service
+ is metered at a primary voltage of 12,470 volts or higher.

+ **Definition of kW Demand**

- + The kW Demand shall be the maximum kilowatt demand measured for any
+ fifteen consecutive minutes during the period for which the bill is rendered, as
+ indicated or recorded by a demand meter.

Tax Adjustment:

There shall be added to the customer's bill, as a separate item, an amount equal to the proportionate part of any license, occupation, franchise, or other similar fee or tax now or hereafter imposed upon the utility by any municipality or other governmental authority.

Terms of Payment:

The above rates are net. All bills are payable within twenty-one (21) days of the date of the bill, and are subject to discontinuance of service for nonpayment within six (6) days thereafter.

Term of Contract:

- + Initial term of one year, terminable upon 90 days written notice thereafter.

* indicates new rate or text

+ indicates change

Date of Issue: November 1, 2001 Date Effective: December 1, 2001

Issued By Charles E. Hurst, President Ste. Genevieve, Missouri
Name of Officer Title Address

P. S. C. MO

No. 7

5th Revised

Sheet No. 9

Canceling

P. S. C. MO

No. 7

4th Revised

Sheet No. 9

Citizens Electric Corporation

Name of Issuing Company

Type of Service: Electric

For: All Territory Served

Reserved for Future Use

* indicates new rate or text
+ indicates change

Date of Issue: November 1, 2001

Date Effective: December 1, 2001

Issued By Charles E. Hurst, President
Name of Officer Title

Ste. Genevieve, Missouri
Address

P. S. C. MO No. 7 4th Revised Sheet No. 9.1

Canceling P. S. C. MO No. 7 3rd Revised Sheet No. 9.1

Citizens Electric Corporation
Name of Issuing Company

Type of Service: Electric

For: All Territory Served

This Sheet is Cancelled

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Date of Issue: November 1, 2001 Date Effective: December 1, 2001

Issued By Charles E. Hurst, President Ste. Genevieve, Missouri
Name of Officer Title Address

Citizens Electric Corporation

Name of Issuing Company

Type of Service: ElectricFor: All Territory Served**PURCHASES FROM QUALIFYING FACILITIES****Applicability:**

This tariff applies to purchases of electricity from Qualifying Facilities under the provisions of Rule 4 CSR 240.20.060 of the Missouri Public Service Commission. Citizens Electric Corporation shall not be obligated to purchase any electricity unless the customer executes a valid contract and complies with all safety, procedural and operational requirements specified by the Corporation. These requirements shall be specified by contract and include, but not be limited to, the terms in Rule 4 CSR 240.20.060.

Charge to Customer for Metering:

\$4.00 per month -- single phase

\$6.00 per month -- three phase

Payment to Customer for Energy

+ All kWh \$0.01674/kWh

+ If the aggregate output of facilities selling under this tariff will enable Citizens Electric Corporation to reduce its demand charges from the Ameren Energy Marketing Company wholesale rate (as determined by the Corporation) then the payment to customer shall include an additional amount for this demand cost savings. The determination of this amount will be made based on the load characteristics of each facility.

If the energy delivered by customer is metered at the low side of the transformer, then the above rates shall be adjusted to reflect appropriate transformation losses.

* indicates new rate or text

+ indicates change

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Name of Officer TitleSte. Genevieve, Missouri
Address