

2018 Residential Bill Survey

Rate Jurisdictional Electric Utilities

July 1, 2018 Billing

Commission Staff presents a survey of Indiana regulated electric utility billings for residential customers annually. The survey presents rates at a snapshot in time, namely July 1st of each year. The surveyed providers to these customers include 5 investor-owned and 8 municipal utilities¹.

We present the results in various ways to improve the transparency of the data collected. All rates included in this survey are approved by the Commission and applicable on customer bills issued July 1. The initial tables show the July 1, 2018 bill applicable to simple tariff residential customers at 500, 1000, 1500, and 2000 kWh monthly consumption levels first alphabetically and then ranked by 1000 kWh cost, highest being 1st. Next, we present the year over year change to the customer bills at 1000 kWh.

The survey includes all rate trackers, but excludes taxes. Expense and capital trackers provide a means to include cost changes in customer rates outside of a traditional rate case. The fuel and power cost tracker for each municipal in 2018 is compared to 2017 in Table 4. The investor-owned group employs a variety of tracking mechanisms for which the 2018 and 2017 charges are listed for comparison. Table 6 is included to disaggregate the base rate and tracker cost components of 1000 kWh consumption for each of the investor-owned electric utilities. Table 7 and Figure 1 present the electric utilities 1000 kWh residential customer bills for a 10-year historical period.

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¹ We note that 68 municipal and 42 co-operative electricity providers within the state are excluded as non-jurisdictional.

Table 1

**JURISDICTIONAL ELECTRIC UTILITY RESIDENTIAL CUSTOMER BILL SURVEY
[July 1, 2018 Billing] By Utility Name and Type**

	kWh Consumption				Overall Ranking*
	500	1000	1500	2000	
MUNICIPAL UTILITIES					
Anderson Municipal	\$ 65.44	\$ 111.16	\$ 156.88	\$ 202.61	6
Auburn Municipal	45.91	84.83	123.74	162.65	13
Crawfordsville Municipal	60.58	106.16	151.74	197.32	8
Frankfort Municipal	55.06	102.11	149.17	196.23	10
Kingsford Heights Municipal	53.08	102.65	152.23	201.80	9
Lebanon Municipal	59.04	108.30	153.77	199.23	7
Richmond Municipal	56.74	97.94	139.15	178.62	12
Tipton Municipal	52.66	99.33	143.70	188.07	11
INVESTOR OWNED UTILITIES					
Duke Energy Indiana	\$ 71.95	\$ 122.84	\$ 168.92	\$ 215.00	4
Indiana Michigan Power D/B/A AEP	71.32	132.14	192.95	253.77	3
Indianapolis Power & Light Co.	72.27	117.07	161.87	206.67	5
Northern Indiana Public Service Co.	73.21	132.43	191.64	250.85	2
So. Indiana Gas & Electric Co. D/B/A Vectren	82.74	153.54	224.33	295.12	1
*Overall Ranking (highest to lowest) based on Total Rate at 1000 kWh consumption.					

Table 2

JURISDICTIONAL ELECTRIC UTILITY RESIDENTIAL CUSTOMER BILLS
[July 1, 2018 Billing]
Overall Ranking for 1,000 kWh of Consumption

	NAME	<-----kWh Consumption----->			
		500 kWh	1000 kWh	1500 kWh	2000 kWh
1	So. Indiana Gas & Electric Co. D/B/A Vectren	\$ 82.74	\$ 153.54	\$ 224.33	\$ 295.12
2	Northern Indiana Public Service Co.	\$ 73.21	\$ 132.43	\$ 191.64	\$ 250.85
3	Indiana Michigan Power D/B/A AEP	\$ 71.32	\$ 132.14	\$ 192.95	\$ 253.77
4	Duke Energy Indiana	\$ 71.95	\$ 122.84	\$ 168.92	\$ 215.00
5	Indianapolis Power & Light Co.	\$ 72.27	\$ 117.07	\$ 161.87	\$ 206.67
6	Anderson Municipal	\$ 65.44	\$ 111.16	\$ 156.88	\$ 202.61
7	Lebanon Municipal	\$ 59.04	\$ 108.30	\$ 153.77	\$ 199.23
8	Crawfordsville Municipal	\$ 60.58	\$ 106.16	\$ 151.74	\$ 197.32
9	Kingsford Heights Municipal	\$ 53.08	\$ 102.65	\$ 152.23	\$ 201.80
10	Frankfort Municipal	\$ 55.06	\$ 102.11	\$ 149.17	\$ 196.23
11	Tipton Municipal	\$ 52.66	\$ 99.33	\$ 143.70	\$ 188.07
12	Richmond Municipal	\$ 56.74	\$ 97.94	\$ 139.15	\$ 178.62
13	Auburn Municipal	\$ 45.91	\$ 84.83	\$ 123.74	\$ 162.65
	Average	\$ 63.08	\$113.11	\$162.31	\$211.38
	2017 Survey	\$ 63.50	\$114.68	\$164.76	\$214.40
	% Change	-0.67%	-1.37%	-1.48%	-1.41%

Table 3

**Jurisdictional Electric Utility Residential Customer Bill
1000 kWh Usage, July 1 Billing (By Name)
Year to Year Comparison**

MUNICIPAL UTILITIES	2018	2017	% Change
Anderson Municipal	\$ 111.16	\$ 115.45	-3.7%
Auburn Municipal	\$ 84.83	\$ 87.95	-3.6%
Crawfordsville Municipal	\$ 106.16	\$ 110.39	-3.8%
Frankfort Municipal	\$ 102.11	\$ 112.70	-9.4%
Kingsford Heights Municipal	\$ 102.65	\$ 105.85	-3.0%
Lebanon Municipal	\$ 108.30	\$ 113.81	-4.8%
Richmond Municipal	\$ 97.94	\$ 104.39	-6.2%
Tipton Municipal	\$ 99.33	\$ 104.73	-5.2%
Muni Averages	101.56	106.91	-5.0%
INVESTOR OWNED UTILITIES			
Duke Energy Indiana	\$ 122.84	\$ 120.46	2.0%
* Indiana Michigan Power D/B/A AEP	\$ 132.14	\$ 116.47	13.4%
Indianapolis Power & Light Co.	\$ 117.07	\$ 110.72	5.7%
Northern Indiana Public Service Co.	\$ 132.43	\$ 138.57	-4.4%
So. Indiana Gas & Electric Co. D/B/A Vectren	\$ 153.54	\$ 153.06	0.3%
IOU Averages	131.60	127.86	2.9%

* Implemented new base rates in the past year.

Table 4

**Jurisdictional Municipal Electric Utility Residential Customer Bill
1000 kWh Usage, July 1 Billing (By Name)
Year to Year Comparison
Fuel/Power Factor Adjustment Mechanism**

Fuel/Power Factor Charge @ 1000 kWh	2018 \$	2017 \$	Change \$
Anderson Municipal	7.18	11.47	(4.29)
Auburn Municipal	6.52	9.65	(3.13)
Crawfordsville Municipal	(3.72)	0.51	(4.23)
Frankfort Municipal	(4.91)	56.34	(61.25)
Kingsford Heights Municipal	35.25	38.45	(3.20)
Lebanon Municipal	7.83	13.34	(5.51)
Richmond Municipal	33.31	39.76	(6.45)
Tipton Municipal	33.69	39.09	(5.41)

Table 5

**Indiana Investor-Owned Electric Utilities
Year to Year Comparison
Adjustable Rate Mechanisms on Residential Bills
1000 kWh Usage, July 1 Billing**

	2018 \$	2017 \$	Change \$
* Indiana Michigan Power D/B/A AEP			
FAC	0.79	(3.05)	3.84
DSM	3.01	5.31	(2.30)
Off-System Sales Sharing	16.37	2.38	13.99
RTO	0.00	8.02	(8.02)
EA	(0.76)	0.00	(0.76)
QPCP & QPCP O&M	0.00	2.10	(2.10)
Capacity Settlement	0.00	2.62	(2.62)
Depreciation Credit	0.36	(1.24)	1.60
LCM	(2.73)	6.41	(9.14)
Solar Power	0.00	0.28	(0.28)
Total	17.06	22.83	(5.78)
Indianapolis Power & Light Co.			
FAC	1.35	0.48	0.87
QPCP & QPCP O&M	10.64	6.97	3.67
DSM	6.96	3.86	3.10
Capacity Expense	(0.21)	0.56	(0.77)
Off-System Sales Sharing	(0.72)	0.24	(0.96)
RTO	1.64	1.19	0.45
Total	19.65	13.30	6.35
Northern Indiana Public Service Co.			
FAC	(3.28)	0.23	(3.51)
QPCP & QPCP O&M	2.96	5.12	(2.16)
RTO	2.14	1.56	0.58
Resource Adequacy	4.16	3.10	1.06
Cyber Security	0.25	0.02	0.23
DSM	2.27	3.77	(1.50)
TDSIC	3.16	0.34	2.82
Total	11.66	14.14	(2.48)
Duke Energy Indiana			
FAC	12.96	13.29	(0.33)
QPCP	3.25	3.66	(0.41)
QPCP O&M	7.52	7.15	0.37
EA	(0.02)	(0.09)	0.07
DSM	4.63	3.88	0.75
RTO	1.94	1.02	0.92
IGCC	14.81	14.50	0.31
Summer Reliability	0.64	0.81	(0.17)
Cyber Security	0.15	0.15	0.00
Amortization Phase Out	(0.66)	(0.62)	(0.04)
TDSIC	2.06	1.51	0.55
Renewable Energy Projects	0.36	0.00	0.36
Total	47.64	45.26	2.38
So. Indiana Gas & Electric Co. D/B/A Vectren			
FAC	(5.73)	(9.92)	4.19
RTO	3.51	3.74	(0.23)
Reliability (RCRA)	0.26	(0.18)	0.44
TDSIC	1.29	0.00	1.29
DSM	7.98	7.98	(0.00)
Total	7.30	1.62	5.68

FAC = Fuel Adjustment Charge

QPCP = Qualified Pollution Control Property

DSM = Demand Side Management

QPCP O&M = Qualified Pollution Control Property Operation & Maintenance

EA = Emission Allowance

IGCC = Clean Coal Tracker for Gasification Plant

RTO = Midwest ISO or PJM ISO Non-fuel

LCM = Nuclear Life Cycle Management

TDSIC = Transmission, Distribution and Storage Investment

* Implemented new base rates in the past year.

Table 6

**Indiana Investor-Owned Electric Utilities
Base and Variable (Tracker) Bill Components
1000 kWh Usage, July 1, 2017 Billing**

	Base	Variable	Total	Base Rate Case Year
	\$	\$	\$	
Indiana Michigan Power D/B/A AEP	115.08	17.06	132.14	2017
Indianapolis Power & Light Co.	97.42	19.65	117.07	2016
Northern Indiana Public Service Co.	120.76	11.66	132.43	2016
Duke Energy Indiana	75.20	47.64	122.84	2004
So. Indiana Gas & Electric Co. D/B/A Vectren	146.24	7.30	153.54	2011

Table 7

10-year Residential Bill Change
(RS Bill for 1000 kWh usage, July 1 of each year)

	2008	2018	Change	%Change
Auburn Municipal	\$ 48.50	\$ 84.83	\$ 36.33	75%
AEP (I&M)	\$ 71.96	\$ 132.14	\$ 60.18	84%
Frankfort Municipal	\$ 76.60	\$ 102.11	\$ 25.51	33%
Lebanon Municipal	\$ 79.39	\$ 108.30	\$ 28.91	36%
SIGECO	\$ 103.02	\$ 153.54	\$ 50.52	49%
Anderson Municipal	\$ 84.41	\$ 111.16	\$ 26.75	32%
IP&L	\$ 76.20	\$ 117.07	\$ 40.87	54%
Crawfordsville Municipal	\$ 81.85	\$ 106.16	\$ 24.31	30%
Tipton Municipal	\$ 81.32	\$ 99.33	\$ 18.01	22%
Duke	\$ 90.20	\$ 122.84	\$ 32.64	36%
Kingsford Heights Municipal	\$ 80.08	\$ 102.65	\$ 22.57	28%
NIPSCO	\$ 105.61	\$ 132.43	\$ 26.82	25%
Richmond Municipal	\$ 78.65	\$ 97.94	\$ 19.29	25%

Figure 1

