

# **2017 Residential Bill Survey**

## **Rate Jurisdictional Electric Utilities**

### **July 1, 2017 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 1<sup>st</sup> of each year. The surveyed providers to these customers include 5 investor-owned and 9 municipal utilities<sup>1</sup>.

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, 2017 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 1<sup>st</sup>. 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 2017 is compared to 2016 in Table 4. The investor-owned group employs a variety of tracking mechanisms for which the 2017 and 2016 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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<sup>1</sup> We note that 67 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, 2017 Billing] By Utility Name and Type**

<b>MUNICIPAL UTILITIES</b>	<b>kWh Consumption</b>				<b>Overall Ranking*</b>
	<b>500</b>	<b>1000</b>	<b>1500</b>	<b>2000</b>	
Anderson Municipal	\$ 67.58	\$ 115.45	\$ 163.32	\$ 211.18	5
Auburn Municipal	47.48	87.95	128.43	168.91	14
Crawfordsville Municipal	62.69	110.39	158.08	205.77	10
Frankfort Municipal	61.49	112.70	163.91	210.83	7
Kingsford Heights Municipal	54.67	105.85	157.02	208.20	11
Knightstown Municipal	57.94	111.00	159.52	208.04	8
Lebanon Municipal	61.79	113.81	162.03	210.25	6
Richmond Municipal	59.97	104.39	148.82	191.52	13
Tipton Municipal	55.36	104.73	151.80	198.87	12
<b>INVESTOR OWNED UTILITIES</b>					
Duke Energy Indiana	\$ 70.75	\$ 120.46	\$ 165.32	\$ 210.18	3
Indiana Michigan Power D/B/A AEP	61.89	116.47	171.06	225.65	4
Indianapolis Power & Light Co.	69.09	110.72	152.35	193.97	9
Northern Indiana Public Service Co.	76.28	138.57	200.85	263.13	2
So. Indiana Gas & Electric Co. D/B/A Vectren	82.03	153.06	224.09	295.11	1
*Overall Ranking (highest to lowest) based on Total Rate at 1000 kWh consumption.					

Table 2

**JURISDICTIONAL ELECTRIC UTILITY RESIDENTIAL CUSTOMER BILLS**

[July 1, 2017 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	\$ 82.03	\$ 153.06	\$ 224.09	\$ 295.11
2	Northern Indiana Public Service Co.	\$ 76.28	\$ 138.57	\$ 200.85	\$ 263.13
3	Duke Energy Indiana	\$ 70.75	\$ 120.46	\$ 165.32	\$ 210.18
4	Indiana Michigan Power D/B/A AEP	\$ 61.89	\$ 116.47	\$ 171.06	\$ 225.65
5	Anderson Municipal	\$ 67.58	\$ 115.45	\$ 163.32	\$ 211.18
6	Lebanon Municipal	\$ 61.79	\$ 113.81	\$ 162.03	\$ 210.25
7	Frankfort Municipal	\$ 61.49	\$ 112.70	\$ 163.91	\$ 210.83
8	Knightstown Municipal	\$ 57.94	\$ 111.00	\$ 159.52	\$ 208.04
9	Indianapolis Power & Light Co.	\$ 69.09	\$ 110.72	\$ 152.35	\$ 193.97
10	Crawfordsville Municipal	\$ 62.69	\$ 110.39	\$ 158.08	\$ 205.77
11	Kingsford Heights Municipal	\$ 54.67	\$ 105.85	\$ 157.02	\$ 208.20
12	Tipton Municipal	\$ 55.36	\$ 104.73	\$ 151.80	\$ 198.87
13	Richmond Municipal	\$ 59.97	\$ 104.39	\$ 148.82	\$ 191.52
14	Auburn Municipal	\$ 47.48	\$ 87.95	\$ 128.43	\$ 168.91
	Average	\$ 63.50	\$114.68	\$164.76	\$214.40
	2016 Survey	\$ 61.35	\$110.60	\$158.74	\$206.45
	% Change	3.51%	3.69%	3.79%	3.85%

**Table 3**

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

<b>MUNICIPAL UTILITIES</b>	<b>2017</b>	<b>2016</b>	<b>% Change</b>
Anderson Municipal	\$ 115.45	\$ 114.38	0.9%
Auburn Municipal	\$ 87.95	\$ 78.30	12.3%
* Crawfordsville Municipal	\$ 110.39	\$ 105.98	4.2%
Frankfort Municipal	\$ 112.70	\$ 100.77	11.8%
Kingsford Heights Municipal	\$ 105.85	\$ 97.84	8.2%
Knightstown Municipal	\$ 111.00	\$ 114.84	-3.3%
Lebanon Municipal	\$ 113.81	\$ 114.51	-0.6%
Richmond Municipal	\$ 104.39	\$ 105.81	-1.3%
Tipton Municipal	\$ 104.73	\$ 103.75	0.9%
<b>Muni Averages</b>	<b>107.36</b>	<b>104.02</b>	<b>3.2%</b>
<b>INVESTOR OWNED UTILITIES</b>			
Duke Energy Indiana	\$ 120.46	\$ 114.84	4.9%
Indiana Michigan Power D/B/A AEP	\$ 116.47	\$ 113.05	3.0%
Indianapolis Power & Light Co.	\$ 110.72	\$ 107.42	3.1%
* Northern Indiana Public Service Co.	\$ 138.57	\$ 121.86	13.7%
So. Indiana Gas & Electric Co. D/B/A Vectren	\$ 153.06	\$ 155.03	-1.3%
<b>IOU Averages</b>	<b>127.86</b>	<b>122.44</b>	<b>4.4%</b>

\* 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**

<b>Fuel/Power Factor Charge @ 1000 kWh</b>	<b>2017 \$</b>	<b>2016 \$</b>	<b>Change \$</b>
Anderson Municipal	11.47	10.39	1.07
Auburn Municipal	9.65	0.00	9.65
* Crawfordsville Municipal	0.51	14.91	(14.40)
Frankfort Municipal	56.34	44.41	11.93
Kingsford Heights Municipal	38.45	30.44	8.01
Knightstown Municipal	7.63	11.47	(3.83)
Lebanon Municipal	13.34	14.04	(0.70)
Richmond Municipal	39.76	41.18	(1.41)
Tipton Municipal	39.09	38.11	0.98

\* Implemented new base rates in the past year.

Table 5

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

	2017 \$	2016 \$	Change \$
<b>Indiana Michigan Power D/B/A AEP</b>			
FAC	(3.05)	(1.43)	(1.62)
DSM	5.31	4.74	0.57
Off-System Sales Sharing	2.38	(0.60)	2.99
RTO	8.02	6.93	1.10
EA	(0.00)	(0.01)	0.01
QPCP & QPCP O&M	2.10	2.57	(0.47)
Capacity Settlement	2.62	2.62	0.00
Depreciation Credit	(1.24)	(1.24)	0.00
LCM	6.41	5.83	0.58
Solar Power	0.28	0.00	0.28
Total	22.83	19.41	3.42
<b>Indianapolis Power &amp; Light Co.</b>			
FAC	0.48	(2.00)	2.48
QPCP & QPCP O&M	6.97	8.43	(1.46)
DSM	3.86	3.57	0.30
Capacity Expense	0.56	0.00	0.56
Off-System Sales Sharing	0.24	0.00	0.24
RTO	1.19	0.00	1.19
Total	13.30	10.00	3.30
<b>* Northern Indiana Public Service Co.</b>			
FAC	0.23	(3.98)	4.21
QPCP & QPCP O&M	5.12	9.09	(3.97)
RTO	1.56	1.38	0.18
Resource Adequacy	3.10	2.67	0.43
Cyber Security	0.02	0.14	(0.12)
DSM	3.77	4.82	(1.05)
TDSIC	0.34	(0.18)	0.52
Total	14.13	13.93	0.20
<b>Duke Energy Indiana</b>			
FAC	13.29	11.21	2.08
QPCP	3.66	3.74	(0.08)
QPCP O&M	7.15	5.86	1.29
EA	(0.09)	(0.04)	(0.05)
DSM	3.88	3.88	0.00
RTO	1.02	2.16	(1.14)
IGCC	14.50	12.67	1.83
Summer Reliability	0.81	0.69	0.12
Cyber Security	0.15	0.06	0.09
Amortization Phase Out	(0.62)	(0.59)	(0.03)
TDSIC	1.51	0.00	1.51
Renewable Energy Projects	0.00	0.00	0.00
Total	45.26	39.64	5.62
<b>So. Indiana Gas &amp; Electric Co. D/B/A Vectren</b>			
FAC	(9.92)	(8.44)	(1.48)
RTO	3.74	4.55	(0.81)
Reliability (RCRA)	(0.18)	(0.36)	0.18
DSM	7.98	7.85	0.13
Total	1.62	3.59	(1.97)

FAC = Fuel Adjustment Charge

QPCP = Qualified Pollution Control Property

DSM = Demand Side Management

QPCP O&amp;M = Qualified Pollution Control Property Operation &amp; 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**

	<b>Base</b>	<b>Variable</b>	<b>Total</b>	<b>Base Rate Case Year</b>
	\$	\$	\$	
Indiana Michigan Power D/B/A AEP	93.64	22.83	116.47	2013
Indianapolis Power & Light Co.	97.42	13.30	110.72	2016
Northern Indiana Public Service Co.	124.43	14.13	138.57	2016
Duke Energy Indiana	75.20	45.26	120.46	2004
So. Indiana Gas & Electric Co. D/B/A Vectren	151.44	1.62	153.06	2011

Table 7

**10-year Residential Bill Change**  
**(RS Bill for 1000 kWh usage, 7/1 of each year)**

	2007	2017	Change	%Change
<b>Auburn Municipal</b>	\$ 47.16	\$ 87.95	\$ 40.79	86%
<b>AEP (I&amp;M)</b>	\$ 71.96	\$ 116.47	\$ 44.51	62%
<b>Frankfort Municipal</b>	\$ 71.69	\$ 112.70	\$ 41.01	57%
<b>Lebanon Municipal</b>	\$ 74.41	\$ 113.81	\$ 39.40	53%
<b>SIGECO</b>	\$ 103.02	\$ 153.06	\$ 50.04	49%
<b>Anderson Municipal</b>	\$ 78.89	\$ 115.45	\$ 36.56	46%
<b>Knightstown Municipal</b>	\$ 76.15	\$ 111.00	\$ 34.85	46%
<b>IP&amp;L</b>	\$ 76.20	\$ 110.72	\$ 34.52	45%
<b>Crawfordsville Municipal</b>	\$ 76.16	\$ 110.39	\$ 34.23	45%
<b>Tipton Municipal</b>	\$ 76.73	\$ 104.73	\$ 28.00	36%
<b>Duke</b>	\$ 90.20	\$ 120.46	\$ 30.26	34%
<b>Kingsford Heights Municipal</b>	\$ 80.42	\$ 105.85	\$ 25.43	32%
<b>NIPSCO</b>	\$ 105.61	\$ 138.57	\$ 32.96	31%
<b>Richmond Municipal</b>	\$ 80.17	\$ 104.39	\$ 24.22	30%



Figure 1

