

2016 Residential Bill Survey

Rate Jurisdictional Electric Utilities

July 1, 2016 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 9 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, 2016 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 2016 is compared to 2015 in Table 4. The investor-owned group employs a variety of tracking mechanisms for which the 2016 and 2015 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 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, 2016 Billing] By Utility Name and Type

MUNICIPAL UTILITIES	kWh Consumption				Overall Ranking*
	500	1000	1500	2000	
Anderson Municipal	\$ 67.04	\$ 114.38	\$ 161.71	\$ 209.04	6
Auburn Municipal	42.65	78.30	113.96	149.61	14
Crawfordsville Municipal	60.49	105.98	151.47	196.96	9
Frankfort Municipal	55.53	100.77	146.02	186.98	12
Kingsford Heights Municipal	50.67	97.84	145.01	192.18	13
Knightstown Municipal	59.85	114.84	165.27	215.70	4
Lebanon Municipal	62.14	114.51	163.07	211.64	5
Richmond Municipal	60.67	105.81	150.94	194.34	10
Tipton Municipal	54.87	103.75	150.33	196.92	11
INVESTOR OWNED UTILITIES					
Duke Energy Indiana	\$ 67.95	\$ 114.84	\$ 156.92	\$ 198.97	3
Indiana Michigan Power D/B/A AEP	60.18	113.05	165.93	218.80	7
Indianapolis Power & Light Co.	67.44	107.42	147.39	187.37	8
Northern Indiana Public Service Co.	66.43	121.86	177.29	232.73	2
So. Indiana Gas & Electric Co. D/B/A Vectren	83.01	155.03	227.04	299.06	1
*Overall Ranking (highest to lowest) based on Total Rate at 1000 kWh consumption					

Table 2

JURISDICTIONAL ELECTRIC UTILITY RESIDENTIAL CUSTOMER BILLS

[July 1, 2016 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	\$ 83.01	\$ 155.03	\$ 227.04	\$ 299.06
2	Northern Indiana Public Service Co.	\$ 66.43	\$ 121.86	\$ 177.29	\$ 232.73
3	Duke Energy Indiana	\$ 67.95	\$ 114.84	\$ 156.92	\$ 198.97
4	Knightstown Municipal	\$ 59.85	\$ 114.84	\$ 165.27	\$ 215.70
5	Lebanon Municipal	\$ 62.14	\$ 114.51	\$ 163.07	\$ 211.64
6	Anderson Municipal	\$ 67.04	\$ 114.38	\$ 161.71	\$ 209.04
7	Indiana Michigan Power D/B/A AEP	\$ 60.18	\$ 113.05	\$ 165.93	\$ 218.80
8	Indianapolis Power & Light Co.	\$ 67.44	\$ 107.42	\$ 147.39	\$ 187.37
9	Crawfordsville Municipal	\$ 60.49	\$ 105.98	\$ 151.47	\$ 196.96
10	Richmond Municipal	\$ 60.67	\$ 105.81	\$ 150.94	\$ 194.34
11	Tipton Municipal	\$ 54.87	\$ 103.75	\$ 150.33	\$ 196.92
12	Frankfort Municipal	\$ 55.53	\$ 100.77	\$ 146.02	\$ 186.98
13	Kingsford Heights Municipal	\$ 50.67	\$ 97.84	\$ 145.01	\$ 192.18
14	Auburn Municipal	\$ 42.65	\$ 78.30	\$ 113.96	\$ 149.61
	Average	\$ 61.35	\$110.60	\$158.74	\$206.45
	2015 Survey	\$ 60.68	\$109.61	\$157.43	\$204.82
	% Change	1.11%	0.90%	0.83%	0.80%

Table 3

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

MUNICIPAL UTILITIES	2016	2015	% Change
Anderson Municipal	\$ 114.38	\$ 114.65	-0.2%
Auburn Municipal	\$ 78.30	\$ 78.30	0.0%
Crawfordsville Municipal	\$ 105.98	\$ 105.98	0.0%
Frankfort Municipal	\$ 100.77	\$ 96.28	4.7%
Kingsford Heights Municipal	\$ 97.84	\$ 108.79	-10.1%
Knightstown Municipal	\$ 114.84	\$ 113.62	1.1%
Lebanon Municipal	\$ 114.51	\$ 111.67	2.5%
Richmond Municipal	\$ 105.81	\$ 106.19	-0.4%
Tipton Municipal	\$ 103.75	\$ 101.80	1.9%
Muni Averages	104.02	104.14	-0.1%
 INVESTOR OWNED UTILITIES			
Duke Energy Indiana	\$ 114.84	\$ 114.04	0.7%
Indiana Michigan Power D/B/A AEP	\$ 113.05	\$ 109.10	3.6%
* Indianapolis Power & Light Co.	\$ 107.42	\$ 95.37	12.6%
Northern Indiana Public Service Co.	\$ 121.86	\$ 125.48	-2.9%
So. Indiana Gas & Electric Co. D/B/A Vectren	\$ 155.03	\$ 153.23	1.2%
IOU Averages	122.44	119.44	2.5%

* 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	2016 \$	2015 \$	Change \$
Anderson Municipal	10.39	10.67	(0.28)
Auburn Municipal	0.00	0.00	0.00
Crawfordsville Municipal	14.91	14.91	0.00
Frankfort Municipal	44.41	39.92	4.50
Kingsford Heights Municipal	30.44	41.39	(10.96)
Knightstown Municipal	11.47	10.25	1.22
Lebanon Municipal	14.04	11.20	2.84
Richmond Municipal	41.18	41.56	(0.38)
Tipton Municipal	38.11	36.16	1.95

* 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

	2016 \$	2015 \$	Change \$
Indiana Michigan Power D/B/A AEP			
FAC	(1.43)	(1.50)	0.07
DSM	4.74	4.74	0.00
Off-System Sales Sharing	(0.60)	(2.21)	1.61
RTO	6.93	6.73	0.20
EA	(0.01)	0.09	(0.10)
QPCP & QPCP O&M	2.57	1.24	1.33
Capacity Settlement	2.62	3.52	(0.90)
Depreciation Credit	(1.24)	(1.24)	0.00
LCM	5.83	4.09	1.74
Total	19.41	15.46	3.95
* Indianapolis Power & Light Co.			
FAC	(2.00)	18.73	(20.73)
QPCP & QPCP O&M	8.43	9.27	(0.84)
DSM	3.57	0.88	2.69
Total	10.00	28.87	(18.87)
Northern Indiana Public Service Co.			
FAC	(3.98)	0.56	(4.54)
QPCP	6.02	5.79	0.22
QPCP O&M	3.08	2.35	0.73
RTO	1.38	0.62	0.76
Resource Adequacy	2.67	2.69	(0.02)
Cyber Security	0.14	0.14	0.00
DSM	4.82	4.49	0.32
TDSIC	(0.18)	0.00	(0.18)
Total	13.94	16.64	(2.71)
Duke Energy Indiana			
FAC	11.21	14.19	(2.98)
QPCP	3.74	3.42	0.32
QPCP O&M	5.86	3.90	1.96
EA	(0.04)	0.08	(0.12)
DSM	3.88	3.24	0.64
RTO	2.16	1.42	0.74
IGCC	12.67	12.67	0.00
Summer Reliability	0.69	0.45	0.24
Cyber Security	0.06	0.00	0.06
Amortization Phase Out	(0.59)	(0.53)	(0.06)
Total	39.64	38.84	0.80
So. Indiana Gas & Electric Co. D/B/A Vectren			
FAC	(8.44)	(8.05)	(0.39)
RTO	4.55	3.31	1.23
Reliability (RCRA)	(0.36)	(1.27)	0.91
DSM	7.85	7.48	0.37
Total	3.59	1.47	2.12

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. IPL's new Trackers for Resource Adequacy, Off-System Sales Sharing, and RTO are set at zero and therefore not reflected in the comparison table.

Table 6

**Indiana Investor-Owned Electric Utilities
Base and Variable (Tracker) Bill Components
1000 kWh Usage, July 1, 2016 Billing**

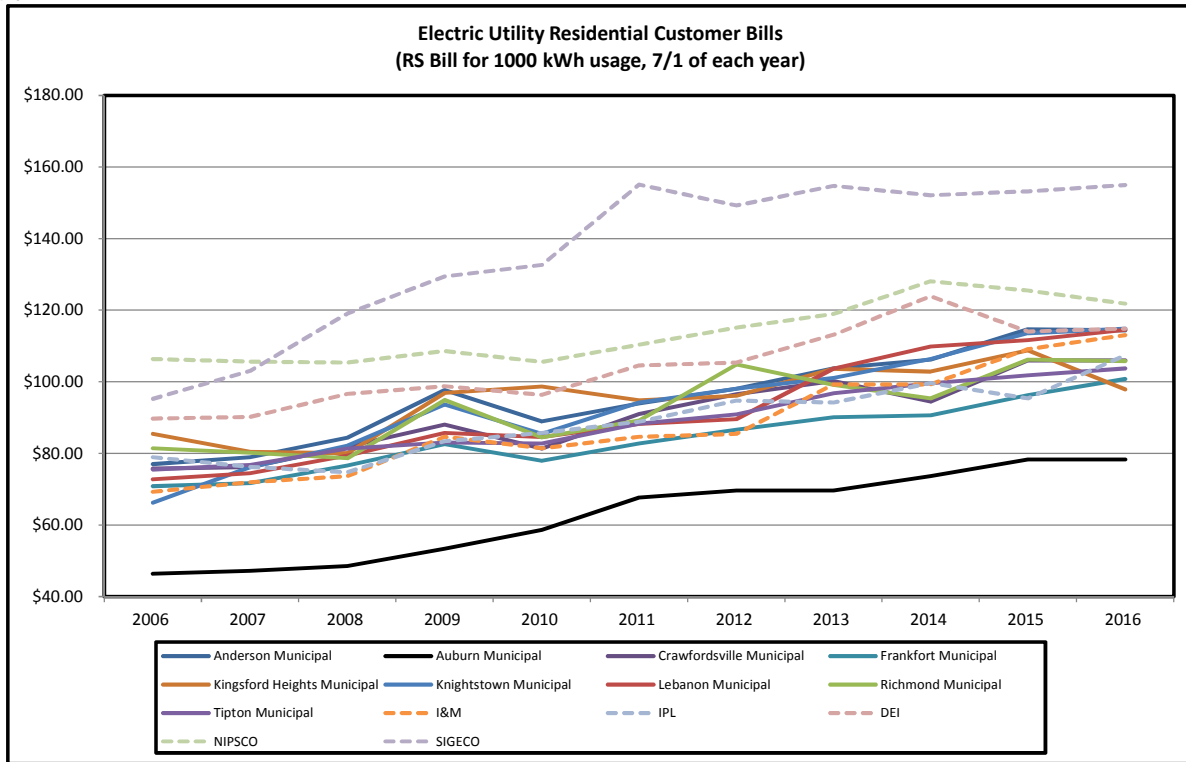
	Base	Variable	Total	Base Rate Case Year
	\$	\$	\$	
Indiana Michigan Power D/B/A AEP	93.64	19.41	113.05	2013
Indianapolis Power & Light Co.	97.42	10.00	107.42	2016
Northern Indiana Public Service Co.	107.93	13.94	121.86	2011
Duke Energy Indiana	75.20	39.64	114.84	2004
So. Indiana Gas & Electric Co. D/B/A Vectren	151.44	3.59	155.03	2011

Table 7

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

	2006	2016	Change	%Change
Knightstown Municipal	\$ 66.22	\$ 114.84	\$ 48.62	73%
Auburn Municipal	\$ 46.38	\$ 78.30	\$ 31.92	69%
I&M	\$ 69.26	\$ 113.05	\$ 43.79	63%
SIGECO	\$ 95.25	\$ 155.03	\$ 59.78	63%
Lebanon Municipal	\$ 72.76	\$ 114.51	\$ 41.75	57%
Anderson Municipal	\$ 77.00	\$ 114.38	\$ 37.38	49%
Frankfort Municipal	\$ 70.84	\$ 100.77	\$ 29.93	42%
Crawfordsville Municipal	\$ 75.75	\$ 105.98	\$ 30.23	40%
Tipton Municipal	\$ 75.48	\$ 103.75	\$ 28.27	37%
IP&L	\$ 78.91	\$ 107.42	\$ 28.51	36%
Richmond Municipal	\$ 81.45	\$ 105.81	\$ 24.36	30%
DEI	\$ 89.73	\$ 114.84	\$ 25.11	28%
NIPSCO	\$ 106.35	\$ 121.86	\$ 15.51	15%
Kingsford Heights Municipal	\$ 85.42	\$ 97.84	\$ 12.42	15%

Figure 1



Revised on July 20, 2016 to correct NIPSCO FAC input.