

2020 Residential Bill Survey

Rate Jurisdictional Electric Utilities

July 1, 2020 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 five investor-owned and eight 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 alphabetically the July 1, 2019 bill applicable to simple tariff residential customers at 500, 1000, 1500, and 2000 kWh monthly consumption levels. The initial table also shows the ranking at 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 2019 is compared to 2018 in Table 4. The investor-owned group employs a variety of tracking mechanisms for which the 2019 and 2018 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, 2020 Billing] By Utility Name and Type**

MUNICIPAL UTILITIES	kWh Consumption				Overall Ranking*
	500	1000	1500	2000	
Anderson Municipal	\$ 67.24	\$ 114.78	\$ 162.31	\$ 209.84	5
Auburn Municipal	\$ 59.10	\$ 111.20	\$ 163.30	\$ 215.39	7
Crawfordsville Municipal	\$ 60.21	\$ 105.42	\$ 150.63	\$ 195.84	9
Frankfort Municipal	\$ 54.07	\$ 100.14	\$ 146.22	\$ 192.29	12
Kingsford Heights Municipal	\$ 53.08	\$ 102.65	\$ 152.23	\$ 201.80	10
Lebanon Municipal	\$ 60.29	\$ 110.82	\$ 157.54	\$ 204.27	8
Richmond Municipal	\$ 57.10	\$ 98.67	\$ 140.23	\$ 180.06	13
Tipton Municipal	\$ 53.52	\$ 101.04	\$ 146.27	\$ 191.50	11
INVESTOR OWNED UTILITIES					
Duke Energy Indiana	\$ 69.87	\$ 119.61	\$ 164.68	\$ 209.73	4
Indiana Michigan Power D/B/A AEP	\$ 78.77	\$ 153.34	\$ 271.15	\$ 388.96	2
Indianapolis Power & Light Co.	\$ 68.19	\$ 111.55	\$ 154.90	\$ 198.25	6
Northern Indiana Public Service Co.	\$ 83.05	\$ 152.40	\$ 221.76	\$ 291.12	3
So. Indiana Gas & Electric Co. D/B/A Vectren	\$ 85.38	\$ 156.75	\$ 228.13	\$ 299.51	1

*Overall Ranking (highest to lowest) based on Total Rate at 1000 kWh consumption.

Table 2

JURISDICTIONAL ELECTRIC UTILITY RESIDENTIAL CUSTOMER BILLS

[July 1, 2020 Billing]

Overall Ranking for 1,000 kWh of Consumption

	NAME	500 kWh	<-----kWh Consumption----->		
			1000 kWh	1500 kWh	2000 kWh
1	So. Indiana Gas & Electric Co. D/B/A Vectren	\$ 85.38	\$ 156.75	\$ 228.13	\$ 299.51
2	Indiana Michigan Power D/B/A AEP	\$ 78.77	\$ 153.34	\$ 271.15	\$ 388.96
3	Northern Indiana Public Service Co.	\$ 83.05	\$ 152.40	\$ 221.76	\$ 291.12
4	Duke Energy Indiana	\$ 69.87	\$ 119.61	\$ 164.68	\$ 209.73
5	Anderson Municipal	\$ 67.24	\$ 114.78	\$ 162.31	\$ 209.84
6	Indianapolis Power & Light Co.	\$ 68.19	\$ 111.55	\$ 154.90	\$ 198.25
7	Auburn Municipal	\$ 59.10	\$ 111.20	\$ 163.30	\$ 215.39
8	Lebanon Municipal	\$ 60.29	\$ 110.82	\$ 157.54	\$ 204.27
9	Crawfordsville Municipal	\$ 60.21	\$ 105.42	\$ 150.63	\$ 195.84
10	Kingsford Heights Municipal	\$ 53.08	\$ 102.65	\$ 152.23	\$ 201.80
11	Tipton Municipal	\$ 53.52	\$ 101.04	\$ 146.27	\$ 191.50
12	Frankfort Municipal	\$ 54.07	\$ 100.14	\$ 146.22	\$ 192.29
13	Richmond Municipal	\$ 57.10	\$ 98.67	\$ 140.23	\$ 180.06
	Average	\$ 65.37	\$118.34	\$173.80	\$229.12
	2019 Survey	\$ 63.00	\$113.31	\$162.80	\$212.14
	% Change	3.77%	4.44%	6.75%	8.00%

Table 3

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

MUNICIPAL UTILITIES	2020	2019	% Change
Anderson Municipal	\$ 114.78	\$ 112.19	2.3%
Auburn Municipal	\$ 111.20	\$ 84.93	30.9%
Crawfordsville Municipal	\$ 105.42	\$ 105.42	0.0%
Frankfort Municipal	\$ 100.14	\$ 100.97	-0.8%
Kingsford Heights Municipal	\$ 102.65	\$ 102.65	0.0%
Lebanon Municipal	\$ 110.82	\$ 106.99	3.6%
Richmond Municipal	\$ 98.67	\$ 98.99	-0.3%
Tipton Municipal	\$ 101.04	\$ 103.72	-2.6%
Muni Averages	\$ 105.59	\$ 101.98	3.5%
 INVESTOR OWNED UTILITIES			
** Duke Energy Indiana	\$ 119.61	\$ 121.76	-1.8%
* Indiana Michigan Power D/B/A AEP	\$ 153.34	\$ 132.53	15.7%
Indianapolis Power & Light Co.	\$ 111.55	\$ 114.30	-2.4%
* Northern Indiana Public Service Co.	\$ 152.40	\$ 136.37	11.8%
So. Indiana Gas & Electric Co. D/B/A Vectren	\$ 156.75	\$ 152.27	2.9%
IOU Averages	\$ 138.73	\$ 131.44	5.5%

* Implemented new base rates in the past year.

** The Commission approved new base rates for Duke Energy Indiana on June 29, 2020, which were not implemented as of July 1, 2020.

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	2020		2019		Change
Anderson Municipal	\$	10.79	\$	8.20	31.6%
Auburn Municipal	\$	32.89	\$	6.63	396.2%
Crawfordsville Municipal	\$	(4.46)	\$	(4.46)	0.0%
Frankfort Municipal	\$	(6.88)	\$	(6.05)	13.6%
Kingsford Heights Municipal	\$	35.25	\$	35.25	0.0%
Lebanon Municipal	\$	10.35	\$	6.52	58.7%
Richmond Municipal	\$	34.04	\$	34.36	-0.9%
Tipton Municipal	\$	35.40	\$	38.08	-7.0%

* 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

	2020 \$	2019 \$	Change \$
* Indiana Michigan Power D/B/A AEP			
Off-System Sales Sharing / PJM Cost Rider	\$20.90	\$20.14	\$0.76
Demand-Side Management / Energy Efficiency Program Cost Rider	(\$0.36)	\$1.38	(\$1.74)
Life Cycle Management Rider	\$0.02	\$0.68	(\$0.66)
Deprciation Credit	\$0.00	\$0.00	\$0.00
Phase-In Rate Adjustment	(\$3.96)	(\$0.12)	(\$3.85)
Environmental Cost Rider	\$0.89	(\$0.23)	\$1.12
Resource Adequacy Rider	(\$2.22)	(\$0.82)	(\$1.39)
Fuel Cost Adjustment Rider	(\$2.56)	(\$3.58)	\$1.03
Total	\$12.71	\$17.45	(\$4.73)
Indianapolis Power & Light Co.			
Demand Side Management	\$5.13	\$4.21	\$0.92
Capacity Adjustment	\$0.89	\$0.73	\$0.16
Regional Transmission Organization Adjustment	(\$0.10)	(\$0.03)	(\$0.07)
Off System Sales Margin Sharing Adjustment	\$1.33	(\$0.63)	\$1.95
Environmental Compliance Cost Recovery	(\$2.64)	(\$2.70)	\$0.06
Fuel Adjustment Charge	(\$8.67)	(\$2.89)	(\$5.78)
Total	(\$4.06)	(\$1.31)	(\$2.75)
* Northern Indiana Public Service Co.			
Demand Side Management Adjustment Mechanism Factor	\$5.64	\$5.05	\$0.59
Transmission, Distribution and Storage System Improvement Charge	\$1.09	\$3.81	(\$2.73)
Resource Adequacy Adjustment Factor	\$4.11	\$3.65	\$0.46
Environmental Cost Recovery Mechanism Factor	\$0.00	\$2.75	(\$2.75)
Federally Mandated Cost Adjustment Factor	\$0.29	\$1.33	(\$1.03)
Resource Transmission Organization Adjustment Factor	\$2.62	\$1.02	\$1.60
Utility Receipts Tax	\$2.10	\$0.00	\$2.10
Fuel Cost Adjustment	(\$1.09)	(\$2.00)	\$0.91
Total	\$14.76	\$15.60	(\$0.85)
** Duke Energy Indiana			
Integrated Coal Gasification Combined Cycle Generating Facility Revenue Adjustment	\$14.28	\$14.28	\$0.00
Fuel Cost Adjustment	\$14.48	\$14.14	\$0.34
Environmental Compliance Operating Cost Adjustment	\$6.41	\$6.08	\$0.33
Energy Efficiency Revenue Adjustment	\$2.40	\$4.56	(\$2.16)
Midcontinent ISO Management Cost and Revenue Adjustment	\$3.80	\$3.80	\$0.00
Transmission and Distribution Infrastructure Improvement Cost Rate Adjustment	\$4.07	\$3.67	\$0.40
Environmental Compliance Investment Adjustment	\$2.89	\$3.14	(\$0.25)
Reliability Adjustment	\$0.58	\$0.58	\$0.00
Renewable Energy Project Revenue Adjustment	\$0.38	\$0.38	\$0.00
Federally Mandated Cost Rate Adjustment	\$0.15	\$0.05	\$0.10
Emission Allowance Adjustment	(\$0.01)	\$0.00	(\$0.01)
Credits to Remove Annual Amortization of Cinergy Merger Costs	(\$1.92)	(\$1.02)	(\$0.90)
Total	\$47.51	\$49.66	(\$2.15)
So. Indiana Gas & Electric Co. D/B/A Vectren			
Demand Side Management Adjustment	\$8.22	\$8.27	(\$0.05)
MISO Cost and Revenue Adjustment	\$4.04	\$3.97	\$0.07
Environmental Cost Adjustment	\$3.17	\$3.17	\$0.00
Clean Energy Cost Adjustment	\$0.62	\$0.61	\$0.01
Reliability Cost and Revenue Adjustment	(\$0.38)	\$0.06	(\$0.44)
Transmission, Distribution and Storage System Improvement Charge	\$2.06	(\$2.58)	\$4.63
Fuel Adjustment Clause	(\$10.22)	(\$7.48)	(\$2.74)
Total	\$7.51	\$6.03	\$1.48

* Implemented new base rates in the past year.

** The Commission approved new base rates for Duke Energy Indiana on June 29, 2020, which were not implemented as of July 1, 2020.

Table 6

**Indiana Investor-Owned Electric Utilities
Base and Variable (Tracker) Bill Components
1000 kWh Usage, July 1, 2020 Billing**

	Base	Variable	Total	Base Rate Case Year
* Indiana Michigan Power D/B/A AEP	\$ 140.63	\$ 12.71	\$ 153.34	2020
Indianapolis Power & Light Co.	\$ 115.61	\$ (4.06)	\$ 111.55	2018
* Northern Indiana Public Service Co.	\$ 137.64	\$ 14.76	\$ 152.40	2019
** Duke Energy Indiana	\$ 72.10	\$ 47.51	\$ 119.61	2004
So. Indiana Gas & Electric Co. D/B/A Vectren	\$ 149.24	\$ 7.51	\$ 156.75	2011

* Implemented new base rates in the past year.

** The Commission approved new base rates for Duke Energy Indiana on June 29, 2020, which were not implemented as of July 1, 2020.

Table 7

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

	2011	2020	Change	%Change
Auburn Municipal	\$ 67.63	\$ 111.20	\$ 43.57	64%
AEP (I&M)	\$ 84.65	\$ 153.34	\$ 68.69	81%
Frankfort Municipal	\$ 82.79	\$ 100.14	\$ 17.35	21%
Lebanon Municipal	\$ 88.18	\$ 110.82	\$ 22.64	26%
SIGECO	\$ 155.10	\$ 156.75	\$ 1.65	1%
Anderson Municipal	\$ 93.92	\$ 114.78	\$ 20.86	22%
IP&L	\$ 88.86	\$ 111.55	\$ 22.70	26%
Crawfordsville Municipal	\$ 90.95	\$ 105.42	\$ 14.47	16%
Tipton Municipal	\$ 88.32	\$ 101.04	\$ 12.72	14%
Duke Energy Indiana	\$ 104.61	\$ 119.61	\$ 15.00	14%
Kingsford Heights Municipal	\$ 94.82	\$ 102.65	\$ 7.83	8%
NIPSCO	\$ 110.37	\$ 152.40	\$ 42.03	38%
Richmond Municipal	\$ 89.16	\$ 98.67	\$ 9.51	11%

Figure 1

