



TIPTON MUNICIPAL UTILITIES

Received: February 27, 2018
IURC 30-Day Filing No.: 50121
Indiana Utility Regulatory Commission

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Via Electronic Filing – 30 Day Filings – Electric

February 23, 2018

Brenda A. Howe
Secretary of the Commission
Indiana Utility Regulatory Commission
101 West Washington St., Suite 1500 E
Indianapolis, IN 46204

RE: Tipton Municipal Electric Utility 30 Day Filing Pursuant to 170 IAC 1-6-1 et seq.

Dear Ms. Howe:

Pursuant to 170 IAC 1-6-5, please find enclosed the following 30 Day Filing by Tipton Municipal Electric Utility: Determination of the rate adjustments for the Purchase Power Cost Adjustment Tracking Factor (Appendix A) for the three months of April, May and June 2018. The tariff sheets and work papers are attached. The purpose of this filing is to implement an average change in rates for electric service charged by its supplier, Indiana Municipal Power Agency. This filing is allowed under 170 IAC 1-6-3 of Rule 6 because it entails Cause No. 36835-S3 dated 12-13-1989, the commission has already approved or accepted the procedure for the change.

The person at the Tipton Municipal Electric Utility to be contacted regarding this filing is:

Rex A. Boyer
(765) 675-7292
P.O. Box 288
Tipton, Indiana 46072
rboyer@tusb.com

Affected customers have been notified as required under 170 IAC 1-6-6. Tipton Municipal Utilities does not have a web-site. Notice shall be published in the Tipton Tribune. The required Proof of Publication of Legal Notice will be forwarded as soon as it is available from the publisher. Notice has been posted in a public place in the Tipton Municipal Electric Utility customer service office. A copy of the notice is attached.

I verify that notice has been provided as stated in this letter and that this letter and the attached documents are true and accurate to the best of my knowledge, information, and belief.

Sincerely,


Rex A. Boyer,
General Manager

TIPTON MUNICIPAL ELECTRIC UTILITY

ENERGY COST ADJUSTMENT TRACKING FACTOR
4TH QUARTER, 2017

BILLING AND USAGE PERIOD: APRIL THROUGH JUNE 2018

TIPTON CITY (INDIANA) MUNICIPAL ELECTRIC UTILITY

APPENDIX A

RATE ADJUSTMENT (Applicable to all metered rates)

The Rate Adjustment shall be on the basis of a Purchased Power Cost Adjustment Tracking Factor occasioned solely by changes in the cost of purchased power and energy, in accordance with the order of the Indiana Utility Regulatory Commission, approved December 13, 1989, in Cause No. 36835-S3 as follows:

<u>Rate Code</u>		<u>ECA Tracking Factor</u>
RATE - A	\$	0.033553 Per Kwh
RATE - B		0.035383 Per Kwh
RATE - C		0.038221 Per Kwh
RATE - D		0.032055 Per Kwh

MONTH'S EFFECTIVE:

APRIL 2018

MAY 2018

JUNE 2018

TO THE INDIANA UTILITY REGULATORY COMMISSION:

1. Tipton Municipal Electric Utility, Tipton, Indiana, under and pursuant to the Indiana Utility Regulatory Commission Act, as amended, and Commission Order in Cause No. 36835-S3, hereby files with the Indiana Utility Regulatory Commission for approval, a change in its rates for electricity sold in the amount of:

<u>Rate Code</u>	<u>Change in ECA Tracking Factor</u>
RATE - A	\$ 0.001821 Per Kwh
RATE - B	\$ 0.002097 Per Kwh
RATE - C	\$ 0.003701 Per Kwh
RATE - D	\$ 0.000239 Per Kwh

2. The accompanying changes in schedules of rates are based solely upon the change in the cost of purchased power and energy purchased by this utility computed in accordance with the Indiana Utility Regulatory Commission Order in Cause No. 36835-S3 dated December 13, 1989.
3. All of the matters and facts stated herein and in the attached exhibits are true and correct. If approved, this change of rate shall take effect for the next practical consumption period following the date of such approval, or for the next practical consumption period following the effective date of change in Applicant's cost of purchased firm power, whichever is later.

TIPTON MUNICIPAL ELECTRIC UTILITY

BY:

STATE OF INDIANA)
COUNTY OF TIPTON)

SS:

Personally appeared before me, a Notary Public in and for said county and state, this 27 day of February, 2018 Rex Boyer, who, after having been duly sworn according to law, stated that he is an employee of Tipton Utilities; Tipton, Indiana, that he has read the matters and facts stated above, and in all exhibits attached hereto, and that the same are true; that he is duly authorized to execute this instrument for and on behalf of the applicant herein.


Debra S. Book, Notary Public

My County of Residence: Tipton

My Commission expires:
March 13, 2025

PRESS RELEASE IN REGARD TO CHANGE IN ELECTRIC
RATES FOR THE CITY OF TIPTON, INDIANA

QUARTERLY ENERGY COST ADJUSTMENT FACTOR

On April 1, 2018 the Indiana Municipal Power Agency (IMPA) is anticipated to change its energy cost adjustment rates to its members.

The City of Tipton will file with the Indiana Utility Regulatory Commission, for its approval, a change in its schedule of rates for electricity sold to reflect the change in the cost of power purchased from the Indiana Municipal Power Agency (IMPA) together with the reconciliation of electric costs and revenues from prior periods.

Upon approval of the Indiana Utility Regulatory Commission, a change per kilowatt hour of approximately:

RATE - A	\$	0.001821 / Kwh
RATE - B	\$	0.002097 / Kwh
RATE - C	\$	0.003701 / Kwh
RATE - D	\$	0.000239 / Kwh

be applied for all bills of the next practical consumption period following the date of such approval or for the next practical consumption period following the effective date of change in the cost of purchased firm power, whichever is later. Residential rates have a change of approximately \$1.82 for every 1,000 kilowatt hours consumed.

Assuming a typical or average residential monthly bill is for approximately 700 kilowatt hours consumption, this will amount to a change per month of \$1.27. This change stated as a percentage of the monthly bill will vary from individual to individual depending upon the actual amount of energy consumed.

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

Filing No. 2ND QTR 2018

Page 1 of 3

DETERMINATION OF RATE ADJUSTMENT FOR THE THREE MONTHS OF:
APRIL 2018 MAY 2018 JUNE 2018

LINE NO.	DESCRIPTION		DEMAND RELATED (A)	ENERGY RELATED (B)	LINE NO.
1	INCREMENTAL CHANGE IN BASE RATE (a)		11.120	0.015982	1
2	ESTIMATED SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)	+	0.000		2
3	ESTIMATED PURCHASED POWER ENERGY COST ADJUSTMENT (c)	+	(0.939)	(0.004650)	3
4	ESTIMATED TOTAL CHANGE IN PURCHASED POWER RATE		10.181	0.011332	4
5	EST CHANGE IN PURCHASED POWER RATE ADJ FOR LOSSES & UTILITY RECEIPTS TAX (d)		10.686	0.011895	5
6	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (e)	+	0.000	0.000000	6
7	ESTIMATED TOTAL RATE ADJUSTMENT		10.686	0.011895	7
8	ESTIMATED AVERAGE BILLING UNITS (f)	*	21,256	11,329,876	8
9	ESTIMATED INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		\$ 227,141.62	\$ 134,768.88	9

(a) Exhibit I, Line 3

(b) Exhibit II, Line 9 N/A

(c) Exhibit III, Column E, Lines 3 and 5

(d) Line 4 divided by (1 - line loss factor)(0.986)

(e) Tracking Factor effective prior to January 27, 1983. This factor is zero if new rates have been filed and approved since January 27, 1983.

(f) Exhibit III, Column E, Lines 1 and 2

(g) Line 7 times Line 8

= 96.62%
95.27%

CITY OF TIPTON, INDIANA

DETERMINATION OF RATE ADJUSTMENT FOR THE THREE MONTHS OF:
APRIL 2018 MAY 2018 JUNE 2018

LINE NO.	RATE SCHEDULE	KW DEMAND ALLOCATOR (%) (a)	KWH ENERGY ALLOCATOR (%) (a)	ALLOCATED ESTIMATED KWH PURCHASED (b)	ALLOCATED ESTIMATED KWH PURCHASED (c)	INCREMENTAL CHANGE IN PURCHASED POWER COST ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX			LINE NO.
		(A)	(B)	(C)	(D)	DEMAND (d) (E)	ENERGY (e) (F)	TOTAL (G)	
1	RATE - A	34.096	33.919	7,247.4	3,842,981	\$ 77,446.21	\$ 45,712.26	\$ 123,158.47	1
2	RATE - B	23.147	21.193	4,920.1	2,401,141	52,576.47	28,561.57	81,138.04	2
3	RATE - C	14.037	11.801	2,983.7	1,337,039	31,883.87	15,904.08	47,787.95	3
4	RATE - D	27.776	32.013	5,904.1	3,627,033	63,090.86	43,143.56	106,234.42	4
5	FLAT RATES	0.944	1.074	200.7	121,683	2,144.22	1,447.42	3,591.64	5
6									6
7									7
8									8
9									9
10	TOTAL	100.000	100.000	21,256.0	11,329,876	\$ 227,141.62	\$ 134,768.88	\$ 361,910.50	10

- (a) From Cost of Service Study Based on Twelve Month Period
01/01/97 to 12/31/97
(b) Page 1 of 3, Column A, Line 8 times Page 2 of 3, Column A
(c) Page 1 of 3, Column B, Line 8 times Page 2 of 3, Column B
(d) Page 1 of 3, Column A, Line 9 times Page 2 of 3, Column A
(e) Page 1 of 3, Column B, Line 9 times Page 2 of 3, Column B

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

DETERMINATION OF RATE ADJUSTMENT FOR THE THREE MONTHS OF:
APRIL 2018 MAY 2018 JUNE 2018

LINE NO.	RATE SCHEDULE	PLUS VARIANCE (a)		TOTAL CHANGE IN PURCHASED POWER COST ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX			RATE ADJUSTMENT FACTOR PER KWH (d)			LINE NO.
		DEMAND	ENERGY	DEMAND (b)	ENERGY (c)	TOTAL	DEMAND	ENERGY	TOTAL	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
1	RATE - A	\$ 3,536.27	\$ 2,250.22	\$ 80,982.48	\$ 47,962.48	\$ 128,944.95	\$ 0.021073	\$0.012481	\$0.033553	1
2	RATE - B	2,424.09	1,397.89	55,000.56	29,959.46	84,960.02	0.022906	0.012477	0.035383	2
3	RATE - C	2,140.51	1,174.80	34,024.38	17,078.88	51,103.25	0.025448	0.012774	0.038221	3
4	RATE - D	6,227.69	3,801.53	69,318.55	46,945.09	116,263.64	0.019112	0.012943	0.032055	4
5	FLAT RATES	94.51	68.64	2,238.73	1,516.06	3,754.79	0.018398	0.012459	0.030857	5
6										6
7										7
8										8
9										9
10	TOTAL	\$ 14,423.06	\$ 8,693.07	\$ 241,564.69	\$ 143,461.96	\$ 385,026.65	\$ 0.021321	\$0.012662	\$0.033983	10

(a) Exhibit IV, Page 4 of 7, Columns D and E / (1 - loss factor)(.986) =

95.27%

Plus, the Special Variance from Page 2A of 3, Columns C and D

(b) Page 2 of 3, Column E plus Page 2a of 3, Column F plus Page 3 of 3, Column A.

(c) Page 2 of 3, Column F plus Page 2a of 3, Column G plus Page 3 of 3, Column B.

(d) Page 3 of 3, Columns C, D and E divided by Page 2 of 3, Column D

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

DETERMINATION OF INCREMENTAL CHANGE IN BASE RATES

LINE NO.	DESCRIPTION		DEMAND RELATED	ENERGY RELATED	LINE NO.
1	BASE RATE EFFECTIVE January 1, 2018 (a)		\$ 24.602	\$ 0.031875	1
2	BASE RATE EFFECTIVE January 1, 2004 (b)	-	13.482	0.015893	2
3	INCREMENTAL CHANGE IN BASE RATE (c)		<u>\$11.120</u>	<u>\$0.015982</u>	3

- (a) IMPA rate effective for the period covered by this filing. The Base Rate includes the applicable Area Adjustment and Delivery Voltage Adjustment.
- (b) Base purchased power rate including Area and Voltage Adjustments effective at the time of the member's last approved rate case was filed or January 27, 1983, whichever is more recent.
Tipton base rates and charges were approved by the Indiana Utility Regulatory Commission on August 11, 2004 in Cause No. 42589.
- (c) Line 1 - Line 2

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

ESTIMATION OF ENERGY COST ADJUSTMENT FOR THE THREE MONTHS OF:
APRIL 2018 MAY 2018 JUNE 2018

LINE NO.	DESCRIPTION	APRIL 2018 (A)	MAY 2018 (B)	JUNE 2018 (C)	TOTAL (D)	ESTIMATED 3 MONTH AVERAGE (E)	LINE NO.
PURCHASED POWER FROM IMPA							
1	KW DEMAND	16,929	22,691	24,149	63,769	21,256	1
2	KWH ENERGY	10,331,005	11,402,339	12,256,284	33,989,628	11,329,876	2
INCREMENTAL PURCHASED POWER COSTS							
DEMAND RELATED							
3	ECA FACTOR PER KW	\$ (0.939)	\$ (0.939)	\$ (0.939)		\$ (0.939)	3
4	CHARGE (a)	\$ (15,896.33)	\$ (21,306.85)	\$ (22,675.91)	\$ (59,879.09)	\$ (19,959.70)	4
ENERGY RELATED							
5	ECA FACTOR PER KWH	\$ (0.004650)	\$ (0.004650)	\$ (0.004650)		\$ (0.004650)	5
6	CHARGE (b)	\$ (48,039.17)	\$ (53,020.88)	\$ (56,991.72)	\$ (158,051.77)	\$ (52,683.92)	6

(a) Line 1 times Line 3

(b) Line 2 times Line 5

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

RECONCILIATION OF VARIANCES FOR THE THREE MONTHS OF:
OCT 2017 NOV 2017 DEC 2017

LINE NO.	DESCRIPTION		DEMAND RELATED	ENERGY RELATED	LINE NO.
			(A)	(B)	
1	INCREMENTAL CHANGE IN BASE RATE (a)		\$ 10.873	\$ 0.014672	1
2	ACTUAL SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)	+			2
3	ACTUAL PURCHASED POWER ENERGY COST ADJUSTMENT (c)	+	0.416	(0.001775)	3
4	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO IMPA MEMBERSHIP (d)	+	0.000	0.000000	4
5	TOTAL RATE ADJUSTMENT (e)		11.289	\$ 0.012897	5
6	ACTUAL AVERAGE BILLING UNITS (f)	*	20,782	12,351,474	6
	LINE 5 * LINE 6		\$ 234,608.00	\$ 159,296.96	
	OTHER CHARGES		-	-	
7	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		\$ 234,608.00	\$ 159,296.96	7

(a) Page 1 of 3, Line 1 of the Tracker filing for the months of:

	OCT 2017	NOV 2017	DEC 2017
Base Rate Effective 01/01/2017		minus	Base Rate Effective 01/01/2004
Demand	\$24.355		\$13.482
Energy	\$0.030565		\$0.015893

(b) Exhibit IV, Page 5 of 7, Column E, Line 9

(c) Exhibit IV, Page 6 of 7, Column E, Lines 4 and 6

(d) This line is zero if new rates have been approved since January 27, 1983.

(e) Sum of Lines 1 through 4

(f) Exhibit IV, Page 6 of 7, Column E, Lines 1 and 2.

(g) Line 5 times Line 6

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

RECONCILIATION OF VARIANCES FOR THE THREE MONTHS OF:
OCT 2017 NOV 2017 DEC 2017

LINE NO.	RATE SCHEDULE	KW DEMAND ALLOCATOR	KWH ENERGY ALLOCATOR	ALLOCATED ACTUAL KW PURCHASED (b)	ALLOCATED ACTUAL KWH PURCHASED (c)	INCREMENTAL CHANGE IN PURCHASED POWER COST			LINE NO.
		(%) (a) (A)	(%) (a) (B)	(C)	(D)	DEMAND (d) (E)	ENERGY (e) (F)	TOTAL (G)	
1	RATE - A	24.534	23.942	5,098.7	2,957,174	\$ 57,559.43	\$ 38,138.68	\$ 95,698.11	1
2	RATE - B	16.446	14.771	3,417.8	1,824,403	38,583.57	23,529.33	62,112.90	2
3	RATE - C	17.751	14.639	3,689.0	1,808,116	41,644.81	23,319.27	64,964.08	3
4	RATE - D	40.629	45.934	8,443.5	5,673,567	95,318.84	73,172.00	168,490.84	4
5	FLAT RATES	0.640	0.714	133.0	88,213	1,501.35	1,137.69	2,639.04	5
6									6
7									7
8									8
9									9
10	TOTAL	100.000	100.000	20,782.0	12,351,474	\$ 234,608.00	\$ 159,296.96	\$ 393,904.96	10

(a) Page 2 of 3, Columns A and B of tracker filed for the months of

(b) Exhibit IV, Page 6 of 7, Column E, Line 1 times Exhibit IV, Page 2 of 7, Column A

(c) Exhibit IV, Page 6 of 7, Column E, Line 2 times Exhibit IV, Page 2 of 7, Column B

(d) Exhibit IV, Page 1 of 7, Column A, Line 7 times Exhibit IV, Page 2 of 7, Column A

(e) Exhibit IV, Page 1 of 7, Column B, Line 7 times Exhibit IV, Page 2 of 7, Column B

OCT 2017

NOV 2017

DEC 2017

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

RECONCILIATION OF VARIANCES FOR THE THREE MONTHS OF:
OCT 20 NOV 2017 DEC 2017

LINE NO.	RATE SCHEDULE	ACTUAL AVERAGE KWH SALES (a) (A)	DEMAND ADJUSTMENT FACTOR PER KWH (b) (B)	ENERGY ADJUSTMENT FACTOR PER KWH (c) (C)	INCREMENTAL KW DEMAND COST BILLED BY MEMBER (d) (D)	INCREMENTAL KWH ENERGY COST BILLED BY MEMBER (e) (E)	LESS PREV. VARIANCE - SYSTEM SALES FROM FILING NUMBER OCT 2017		LINE NO.
							DEMAND (f) (F)	ENERGY (g) (G)	
1	RATE - A	2,715,358	0.020727	0.013721	\$ 55,493.29	\$ 36,735.82	\$ 1,302.86	\$ 740.92	1
2	RATE - B	1,675,217	0.022569	0.013724	37,278.66	22,668.81	1,004.52	471.25	2
3	RATE - C	1,660,261	0.024492	0.013706	40,093.83	22,436.96	488.28	236.92	3
4	RATE - D	5,209,624	0.016801	0.013549	86,301.52	69,597.00	(3,084.20)	46.72	4
5	FLAT RATES	81,000	0.018127	0.013721	1,447.73	1,095.84	36.42	23.54	5
6									6
7									7
8									8
9									9
10	TOTAL	<u>11,341,460</u>			<u>\$ 220,615.03</u>	<u>\$ 152,534.43</u>	<u>\$ (252.12)</u>	<u>\$ 1,519.35</u>	10

(a) Exhibit IV, Page 7 of 7, Column E

(b) Page 3 of 3, Column F of Tracker Filing for the three months of

(c) Page 3 of 3, Column G of Tracker Filing for the three months of

(d) Column A times Column B times the Utility Receipts Tax Factor of

(e) Column A times Column C times the Utility Receipts Tax Factor of

(f) Exhibit IV, Page 4 of 7, Column D of Tracker Filing for the three months of

(g) Exhibit IV, Page 4 of 7, Column E of Tracker Filing for the three months of

OCT 2017

OCT 2017

0.986

0.986

OCT 2017

OCT 2017

NOV 2017

NOV 2017

NOV 2017

NOV 2017

DEC 2017

DEC 2017

DEC 2017

DEC 2017

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

RECONCILIATION OF VARIANCES FOR THE THREE MONTHS OF:
OCT 2017 NOV 2017 DEC 2017

LINE NO.	RATE SCHEDULE	NET INCREMENTAL COST BILLED BY MEMBER			VARIANCE			LINE NO.
		DEMAND (a)	ENERGY (b)	TOTAL	DEMAND (c)	ENERGY (c)	TOTAL (c)	
		(A)	(B)	(C)	(D)	(E)	(F)	
1	RATE - A	\$ 54,190.43	\$ 35,994.90	\$ 90,185.33	\$ 3,369.00	\$ 2,143.78	\$ 5,512.78	1
2	RATE - B	36,274.14	22,197.56	58,471.70	2,309.43	1,331.77	3,641.20	2
3	RATE - C	39,605.55	22,200.04	61,805.59	2,039.26	1,119.23	3,158.49	3
4	RATE - D	89,385.72	69,550.28	158,936.00	5,933.12	3,621.72	9,554.84	4
5	FLAT RATES	1,411.31	1,072.30	2,483.61	90.04	65.39	155.43	5
6								6
7								7
8								8
9								9
10	TOTAL	<u>\$ 220,867.15</u>	<u>\$ 151,015.08</u>	<u>\$ 371,882.23</u>	<u>\$ 13,740.85</u>	<u>\$ 8,281.89</u>	<u>\$ 22,022.74</u>	10

(a) Column D minus Column F from Exhibit IV, Page 3 of 7

(b) Column E minus Column G from Exhibit IV, Page 3 of 7

(c) Columns E, F, and G from Exhibit IV, Page 2 of 7 minus Columns A, B, and C

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

DETERMINATION OF ACTUAL ENERGY COST ADJUSTMENT FOR THE THREE MONTHS OF
OCT 2017 NOV 2017 DEC 2017

LINE NO.	DESCRIPTION	OCT 2017 (A)	NOV 2017 (B)	DEC 2017 (C)	TOTAL (D)	ACTUAL 3 MONTH AVERAGE (E)	LINE NO.
PURCHASED POWER FROM IMPA							
1	KW DEMAND (a)	21,017	19,984	21,344	62,345	20,782	1
2	KWH ENERGY (a)	12,208,225	11,848,171	12,998,025	37,054,421	12,351,474	2
INCREMENTAL PURCHASED POWER COSTS							
DEMAND RELATED							
3	ECA FACTOR PER KW (a)	\$ 0.416	\$ 0.416	\$ 0.416		\$ 0.416	3
4	CHARGE (b)	\$ 8,743.07	\$ 8,313.34	\$ 8,879.10	\$ 25,935.52	\$ 8,645.17	4
ENERGY RELATED							
5	ECA FACTOR PER KWH (a)	\$ (0.001775)	\$ (0.001775)	\$ (0.001775)		\$ (0.001775)	5
6	CHARGE (c)	\$ (21,669.60)	\$ (21,030.50)	\$ (23,071.49)	\$ (65,771.60)	\$ (21,923.87)	6

(a) From IMPA bills for the months
(b) Line 1 times Line 3
(c) Line 2 times Line 5

OCT 2017 NOV 2017 DEC 2017

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

DETERMINATION OF ACTUAL AVERAGE KWH SALES FOR THE THREE MONTHS OF
OCT 2017 NOV 2017 DEC 2017

LINE NO.	RATE SCHEDULE	OCT 2017 (A)	NOV 2017 (B)	DEC 2017 (C)	TOTAL (D)	AVERAGE (E)	LINE NO.
1	RATE - A	2,778,026	2,380,257	2,987,792	8,146,075	2,715,358	1
2	RATE - B	1,726,391	1,629,580	1,669,681	5,025,652	1,675,217	2
3	RATE - C	1,236,242	2,051,297	1,693,245	4,980,784	1,660,261	3
4	RATE - D	5,127,458	5,646,046	4,855,369	15,628,873	5,209,624	4
5	FLAT RATES	81,000	81,000	81,000	243,000	81,000	5
6							6
7							7
8							8
9							9
10	TOTAL	<u>10,949,117</u>	<u>11,788,180</u>	<u>11,287,087</u>	<u>34,024,384</u>	<u>11,341,460</u>	10

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

Exhibit VII

DETERMINATION OF ACTUAL KW DEMAND ALLOCATION AND KWH ENERGY ALLOCATION FACTORS

	OCT 2017	NOV 2017	DEC 2017				
Rate Schedule	Average Sales	Percent of Total	kWh Energy Factors	Variance	kW Demand Factors	Adjusted Factors	kW Demand Allocator for 2009
	(A)	(B)	(C)	(D)	(E)	(F)	(G)
RATE - A	2,715,358	23.942%	33.919%	-29.415%	34.096%	24.067%	24.534%
RATE - B	1,675,217	14.771%	21.193%	-30.304%	23.147%	16.133%	16.446%
RATE - C	1,660,261	14.639%	11.801%	24.048%	14.037%	17.413%	17.751%
RATE - D	5,209,624	45.934%	32.013%	43.486%	27.776%	39.855%	40.629%
FLAT RATES	81,000	0.714%	1.074%	-33.502%	0.944%	0.628%	0.640%
							0.000%
	11,341,460	100.000%	100.000%		100.000%	98.095%	100.000%

(A) From utility billing records

(B) (A)/total of column (A)

(C) Taken from last cost of service study.

(D) Column (B)/Column (C)

(E) Taken from last cost of service study

(F) (1 + Column (D)) * (Column (E))

(G) Column (F)/total of Column (F)

**INDIANA MUNICIPAL POWER AGENCY
ECA ESTIMATES FOR APRIL, MAY and JUNE
2018 - 2ND QUARTER**

	APR	MAY	JUN	APR	MAY	JUN
	<u>\$/kW-month</u>			<u>\$/kWh</u>		
IMPA's Energy Cost Adjustment	(0.939)	(0.939)	(0.939)	(0.004650)	(0.004650)	(0.004650)
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for	<u>kW</u>			<u>kWh</u>		
TIPTON	16,929	22,691	24,149	10,331,005	11,402,339	12,256,284



IMPA

INDIANA MUNICIPAL POWER AGENCY

Tipton Municipal Utilities
P.O. Box 288
Tipton, IN 46072

Due Date:	Amount Due:
12/14/2017	\$ 872,781.71

Billing Period: October 1 to 31, 2017

Invoice No: INV0007957
Invoice Date: 11/14/2017

Summary of Charges	
Demand Charges:	\$ 521,306.91
Energy Charges:	\$ 351,474.80
Subtotal - Purchased Power Charges*:	\$ 872,781.71
Other Charges and Credits:	\$ -
Net Amount Due:	\$ 872,781.71

*Average Purchased Power Cost: 7.15 cents per kWh

Due Date:	Amount Due:
12/14/2017	\$ 872,781.71

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 12/14/17
Questions, please call: 317-573-9955

Send ACH or Wire payments to:
PNC Bank
ABA# 071921891 (ACH) or ABA# 041000124 (Wire)
Bank Account 4803452201

- OR -

Send checks to:
Indiana Municipal Power Agency
P.O. Box 772880
Chicago, IL 60677-2880

Indiana Municipal Power Agency - Billing Detail
Tipton Municipal Utilities
Billing Period: October 1 to 31, 2017

Due Date:	Amount Due:
12/14/2017	\$ 872,781.71

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	21,457	5,023	97.37%	10/31/17	1000	76.47%
CP Billing Demand:	21,017	5,846	96.34%	10/03/17	1600	78.07%
kvar at 97% PF:		5,267				
Reactive Demand:		579				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.965 / kW	x	21,017	\$	482,655.41
ECA Demand Charge:	\$	0.416 / kW	x	21,017	\$	8,743.07
Delivery Voltage Charge - Less than 34.5 kV:	\$	1.390 / kW	x	21,017	\$	29,213.63
Reactive Demand Charge:	\$	1.200 / kvar	x	579	\$	694.80
Total Demand Charges:					\$	521,306.91

Energy						
Energy Information	kWh					
Getrag Banks #1-4:	1,647,476					
Tipton #1:	3,891,827					
Tipton #2:	6,668,762					
Tipton Dist. Gen.:	160					
Total Energy:	12,208,225					
Energy Charges	Rate		Units		Charge	
Base Energy Charge:	\$	0.030565 / kWh	x	12,208,225	\$	373,144.40
ECA Energy Charge:	\$	(0.001775) / kWh	x	12,208,225	\$	(21,669.60)
Total Energy Charges:					\$	351,474.80

Other Charges and Credits						
Other Charges and Credits						
Total Other Charges and Credits:						\$ -

History			
	Oct 2017	Oct 2016	2017 YTD
Max Demand (kW):	21,457	23,793	26,458
CP Demand (kW):	21,017	23,199	26,319
Energy (kWh):	12,208,225	11,867,191	118,530,949
CP Load Factor:	78.07%	68.76%	
HDD/CDD (Indianapolis):	251/47	170/45	

* Getrag: units adjusted by loss factors of 0.997 for demand & 0.998 for energy.

IMP A Delivery Point Details

Tipton Municipal Utilities

Billing Period: October 1, 2017 to October 31, 2017

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at TIPTON's Maximum Peak on 10/31/17 at 1000 EST				Demand at IMPA's Coincident Peak on 10/03/17 at 1600 EST			
		Date & Time	Max kW	kvar at Max	kVA at Max	Power Factor	kW at Memb Max	kvar at Memb Max	kVA	Power Factor	CP kW	kvar at CP	kVA	Power Factor
TOTAL	12,208,225						21,457	5,023	22,037	97.37%	21,017	5,846	21,815	96.34%
* Tipton Dist. Gen.	160	-	-	-	-	-	-	-	-	-	-	-	-	-
* Tipton #1	3,891,827	10/04/17 at 2000 EST	9,254	1,450	9,367	98.79%	9,197	1,056	9,257	99.35%	8,717	1,430	8,834	98.68%
* Tipton #2	6,668,762	10/17/17 at 0900 EST	16,646	3,264	16,963	98.13%	9,802	2,611	10,144	96.63%	9,139	2,669	9,521	95.99%
* Getrag Bank #1	16,508	10/30/17 at 1400 EST	58	7	58	99.28%	22	-	22	100.00%	29	7	30	97.21%
* Getrag Bank #2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* Getrag Bank #3	479,064	10/03/17 at 1600 EST	960	636	1,152	83.36%	720	540	900	80.00%	960	636	1,152	83.36%
* Getrag Bank #4	1,151,904	10/03/17 at 1500 EST	2,304	1,152	2,576	89.44%	1,716	816	1,900	90.31%	2,172	1,104	2,436	89.15%



IMPA

INDIANA MUNICIPAL POWER AGENCY

Tipton Municipal Utilities
P.O. Box 288
Tipton, IN 46072

Due Date:	Amount Due:
1/15/2018	\$ 836,132.51

Billing Period: November 1 to 30, 2017

Invoice No: INV0008032
Invoice Date: 12/14/2017

Summary of Charges	
Demand Charges:	\$ 495,023.66
Energy Charges:	\$ 341,108.85
Subtotal - Purchased Power Charges*:	\$ 836,132.51
Other Charges and Credits:	\$ -
Net Amount Due:	\$ 836,132.51

*Average Purchased Power Cost: 7.06 cents per kWh

Due Date:	Amount Due:
1/15/2018	\$ 836,132.51

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 01/15/18
Questions, please call: 317-573-9955

Send ACH or Wire payments to:
PNC Bank
ABA# 071921891 (ACH) or ABA# 041000124 (Wire)
Bank Account 4803452201

- OR -

Send checks to:
Indiana Municipal Power Agency
P.O. Box 772880
Chicago, IL 60677-2880

Indiana Municipal Power Agency - Billing Detail
Tipton Municipal Utilities
Billing Period: November 1 to 30, 2017

Due Date:	Amount Due:
1/15/2018	\$ 836,132.51

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	21,480	4,713	97.68%	11/01/17	1000	76.61%
CP Billing Demand:	19,984	3,089	98.83%	11/20/17	800	82.34%
kvar at 97% PF:		5,008				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.965 / kW	x	19,984	\$	458,932.56
ECA Demand Charge:	\$	0.416 / kW	x	19,984	\$	8,313.34
Delivery Voltage Charge - Less than 34.5 kV:	\$	1.390 / kW	x	19,984	\$	27,777.76
Total Demand Charges:					\$	495,023.66

Energy					
Energy Information		kWh			
Getrag Banks #1-4:		1,465,392			
Tipton #1:		5,534,258			
Tipton #2:		4,847,681			
Tipton Dist. Gen.:		840			
Total Energy:		11,848,171			
Energy Charges		Rate		Units	Charge
Base Energy Charge:	\$	0.030565	/ kWh x	11,848,171	\$ 362,139.35
ECA Energy Charge:	\$	(0.001775)	/ kWh x	11,848,171	\$ (21,030.50)
Total Energy Charges:					<u>\$ 341,108.85</u>

Other Charges and Credits	
Other Charges and Credits	
Total Other Charges and Credits:	\$ -

History			
	Nov 2017	Nov 2016	2017 YTD
Max Demand (kW):	21,480	20,137	26,458
CP Demand (kW):	19,984	18,799	26,319
Energy (kWh):	11,848,171	11,161,374	130,379,120
CP Load Factor:	82.34%	82.46%	
HDD/CDD (Indianapolis):	624/0	503/5	

* Getrag: units adjusted by loss factors of 0.997 for demand & 0.998 for energy.

IMPACT Delivery Point Details

Tipton Municipal Utilities

Billing Period: November 1, 2017 to November 30, 2017

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at TIPTON's Maximum Peak on 11/01/17 at 1000 EST				Demand at IMPA's Coincident Peak on 11/20/17 at 0800 EST			
		Date & Time	Max kW	kvar at Max	kVA at Max	Power Factor	kW at Memb Max	kvar at Memb Max	kVA	Power Factor	CP kW	kvar at CP	kVA	Power Factor
TOTAL	11,848,171						21,480	4,713	21,991	97.68%	19,984	3,089	20,221	98.83%
* Tipton Dist. Gen.	840	-	-	-	-	-	-	-	-	-	-	-	-	-
* Tipton #1	5,534,258	11/15/17 at 1100 EST	18,317	2,870	18,540	98.79%	9,456	1,123	9,522	99.30%	9,715	989	9,765	99.49%
* Tipton #2	4,847,681	11/01/17 at 1700 EST	9,667	2,467	9,977	96.89%	9,581	2,275	9,847	97.29%	7,795	797	7,836	99.48%
* Getrag Bank #1	27,588	11/20/17 at 1200 EST	72	22	75	95.64%	43	7	44	98.70%	50	7	50	99.03%
* Getrag Bank #2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* Getrag Bank #3	416,592	11/09/17 at 1700 EST	852	576	1,028	82.84%	672	516	847	79.32%	672	504	840	80.00%
* Getrag Bank #4	1,021,212	11/28/17 at 1300 EST	1,932	996	2,174	88.88%	1,728	792	1,901	90.91%	1,752	792	1,923	91.12%



IMPA

INDIANA MUNICIPAL POWER AGENCY

Tipton Municipal Utilities
P.O. Box 288
Tipton, IN 46072

Due Date:	Amount Due:
2/14/2018	\$ 902,925.36

Billing Period: December 1 to 31, 2017

Invoice No: INV0008118
Invoice Date: 1/15/2018

Summary of Charges

Demand Charges:	\$ 528,712.22
Energy Charges:	\$ 374,213.14
Subtotal - Purchased Power Charges*:	\$ 902,925.36
Other Charges and Credits:	\$ -
Net Amount Due:	\$ 902,925.36

*Average Purchased Power Cost: 6.95 cents per kWh

Due Date:	Amount Due:
2/14/2018	\$ 902,925.36

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 02/14/18
Questions, please call: 317-573-9955

Send ACH or Wire payments to:
PNC Bank
ABA# 071921891 (ACH) or ABA# 041000124 (Wire)
Bank Account 4803452201

- OR -

Send checks to:
Indiana Municipal Power Agency
P.O. Box 772880
Chicago, IL 60677-2880

Indiana Municipal Power Agency - Billing Detail
Tipton Municipal Utilities
Billing Period: December 1 to 31, 2017

Due Date:	Amount Due:
2/14/2018	\$ 902,925.36

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	22,101	3,566	98.72%	12/13/17	1100	79.05%
CP Billing Demand:	21,344	1,543	99.74%	12/27/17	1900	81.85%
kvar at 97% PF:		5,349				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.965 / kW	x	21,344	\$	490,164.96
ECA Demand Charge:	\$	0.416 / kW	x	21,344	\$	8,879.10
Delivery Voltage Charge - Less than 34.5 kV:	\$	1.390 / kW	x	21,344	\$	29,668.16
Total Demand Charges:					\$	528,712.22

Energy						
Energy Information	kWh					
Getrag Banks #1-4:	1,355,940					
Tipton #1:	6,037,841					
Tipton #2:	5,603,244					
Tipton Dist. Gen.:	1,000					
Total Energy:	12,998,025					
Energy Charges	Rate		Units		Charge	
Base Energy Charge:	\$	0.030565 / kWh	x	12,998,025	\$	397,284.63
ECA Energy Charge:	\$	(0.001775) / kWh	x	12,998,025	\$	(23,071.49)
Total Energy Charges:					\$	374,213.14

Other Charges and Credits						
Other Charges and Credits						
Total Other Charges and Credits:						\$ -

History			
	Dec 2017	Dec 2016	2017 YTD
Max Demand (kW):	22,101	23,685	26,458
CP Demand (kW):	21,344	23,288	26,319
Energy (kWh):	12,998,025	12,981,260	143,377,145
CP Load Factor:	81.85%	74.92%	
HDD/CDD (Indianapolis):	1069/0	1068/0	

* Getrag: units adjusted by loss factors of 0.997 for demand & 0.998 for energy.

IMP A Delivery Point Details

Tipton Municipal Utilities

Billing Period: December 1, 2017 to December 31, 2017

Delivery Point	Energy kWh	<u>Individual Substation Maximum Demand</u>					<u>Demand at TIPTON's Maximum Peak on 12/13/17 at 1100 EST</u>				<u>Demand at IMPA's Coincident Peak on 12/27/17 at 1900 EST</u>			
		Date & Time	Max kW	kvar at Max	kVA at Max	Power Factor	kW at Memb Max	kvar at Memb Max	kVA	Power Factor	CP kW	kvar at CP	kVA	Power Factor
TOTAL	12,998,025						22,101	3,566	22,387	98.72%	21,344	1,543	21,400	99.74%
* Tipton Dist. Gen.	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-
* Tipton #1	6,037,841	12/27/17 at 1100 EST	11,126	461	11,136	99.91%	10,550	1,056	10,603	99.50%	10,426	58	10,426	100.00%
* Tipton #2	5,603,244	12/28/17 at 1100 EST	9,917	1,267	9,998	99.19%	9,053	1,152	9,126	99.20%	9,792	950	9,838	99.53%
* Getrag Bank #1	36,840	12/04/17 at 1600 EST	94	22	97	97.37%	50	14	52	96.30%	58	7	58	99.28%
* Getrag Bank #2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* Getrag Bank #3	396,624	12/06/17 at 1700 EST	828	528	982	84.32%	684	516	857	79.83%	336	180	381	88.15%
* Getrag Bank #4	922,476	12/05/17 at 1300 EST	1,944	888	2,137	90.96%	1,764	828	1,949	90.52%	732	348	811	90.31%