



TIPTON MUNICIPAL UTILITIES

P.O. Box 288
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Via Electronic Filing – 30 Day Filings – Electric

June 5, 2017

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 July, August and September 2017. 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

LEGAL NOTICE

Notice is hereby given that the municipal electric utility of the City of Tipton, Indiana, under and pursuant to the Public Service Commission Act, as amended, and Commission Order in Cause no. 36835-S3, has filed with the Indiana Utility Regulatory Commission for its approval, the following incremental changes to the Rate Adjustment factors by Rate Schedules:

Residential -	Rate A	Decrease	(\$0.003680)	per Kwh
Commercial -	Rate B	Decrease	(\$0.003396)	per Kwh
General & Industrial Power -	Rate C	Decrease	(\$0.004938)	per Kwh
Primary Power -	Rate D	Decrease	(\$0.005518)	per Kwh

Rate Adjustments applicable to the Rate Schedules are as follows:

Residential -	Rate A	\$0.035409	per Kwh
Commercial -	Rate B	\$0.037889	per Kwh
General & Industrial Power -	Rate C	\$0.039090	per Kwh
Primary Power -	Rate D	\$0.030708	per Kwh

The accompanying changes in schedules of rates based solely upon the changes 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, and dated December 13, 1989. If approved, this change of rate shall take effect for the bills to be rendered beginning with the June 2017 billing cycle. Objections to the changes can be made at either of the addresses below.

Indiana Utility Regulatory Commission
101 West Washington Street
Suite 1500 East
Indianapolis, IN 46204-3407

Office of Utility Consumer Counselor
115. West Washington Street
Suite 1500 South
Indianapolis, IN 46204-3407

Tipton Municipal Electric Utility

TIPTON MUNICIPAL ELECTRIC UTILITY

ENERGY COST ADJUSTMENT TRACKING FACTOR
3RD QUARTER, 2017

BILLING AND USAGE PERIOD: JULY THROUGH SEPTEMBER 2017

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	\$	0.035409 Per Kwh
RATE - B		0.037889 Per Kwh
RATE - C		0.039090 Per Kwh
RATE - D		0.030708 Per Kwh

MONTHS EFFECTIVE:

JULY 2017

AUG 2017

SEPT 2017

TO THE INDIANA UTILITY REGULATORY COMMISSION:

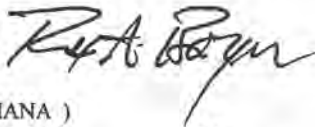
1. Tipton Municipal Electric Utility, Tipton, Indiana, under and pursuant to the Indiana Utility Regulatory Commission Act, as amended, and Commission Order in Cause No. 36835-S3, hereby files with the Indiana Utility Regulatory Commission for approval, a change in its rates for electricity sold in the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

<u>Rate Code</u>	<u>Change in ECA Tracking Factor</u>
RATE - A	\$ (0.003680) Per Kwh
RATE - B	\$ (0.003396) Per Kwh
RATE - C	\$ (0.004938) Per Kwh
RATE - D	\$ (0.005518) 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 6 day of June, 2017 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.



Susan Munson, Notary Public
Debra S. Book

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 July 1, 2017 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	\$	(0.003680) / Kwh
RATE - B	\$	(0.003396) / Kwh
RATE - C	\$	(0.004938) / Kwh
RATE - D	\$	(0.005518) / 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 (\$3.68) 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 (\$2.58.) 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. 3RD QTR 2017

Page 1 of 3

DETERMINATION OF RATE ADJUSTMENT FOR THE THREE MONTHS OF:
 JULY 2017 AUG 2017 SEPT 2017

LINE NO.	DESCRIPTION		DEMAND RELATED (A)	ENERGY RELATED (B)	LINE NO.
1	INCREMENTAL CHANGE IN BASE RATE (a)		10.873	0.014672	1
2	ESTIMATED SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)	+	0.000		2
3	ESTIMATED PURCHASED POWER ENERGY COST ADJUSTMENT (c)	+	0.416	(0.001775)	3
4	ESTIMATED TOTAL CHANGE IN PURCHASED POWER RATE		11.289	0.012897	4
5	EST CHANGE IN PURCHASED POWER RATE ADJ FOR LOSSES & UTILITY RECEIPTS TAX (d)		11.849	0.013537	5
6	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (e)	+	0.000	0.000000	6
7	ESTIMATED TOTAL RATE ADJUSTMENT		11.849	0.013537	7
8	ESTIMATED AVERAGE BILLING UNITS (f)	*	26,363	13,040,676	8
9	ESTIMATED INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		\$ 312,375.19	\$ 176,531.63	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) = 96.62%

(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. = 95.27%

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

(g) Line 7 times Line 8

CITY OF TIPTON, INDIANA

DETERMINATION OF RATE ADJUSTMENT FOR THE THREE MONTHS OF:
JULY 2017 AUG 2017 SEPT 2017

LINE NO.	RATE SCHEDULE	KW DEMAND ALLOCATOR (%) (a) (A)	KWH ENERGY ALLOCATOR (%) (a) (B)	ALLOCATED ESTIMATED KWH PURCHASED (b) (C)	ALLOCATED ESTIMATED KWH PURCHASED (c) (D)	INCREMENTAL CHANGE IN PURCHASED POWER COST ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX			LINE NO.
						DEMAND (d) (E)	ENERGY (e) (F)	TOTAL (G)	
1	RATE - A	34.096	33.919	8,988.7	4,423,267	\$ 106,507.44	\$ 59,877.76	\$ 166,385.20	1
2	RATE - B	23.147	21.193	6,102.2	2,763,710	72,305.48	37,412.35	109,717.83	2
3	RATE - C	14.037	11.801	3,700.6	1,538,930	43,848.10	20,832.50	64,680.60	3
4	RATE - D	27.776	32.013	7,322.6	4,174,712	86,765.33	56,513.07	143,278.40	4
5	FLAT RATES	0.944	1.074	248.9	140,057	2,948.82	1,895.95	4,844.77	5
6									6
7									7
8									8
9									9
10	TOTAL	100.000	100.000	26,363.0	13,040,676	\$ 312,375.19	\$ 176,531.63	\$ 488,906.82	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:
JULY 2017 AUG 2017 SEPT 2017

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	\$ (7,523.88)	\$ (2,238.49)	\$ 98,983.56	\$ 57,639.27	\$ 156,622.83	\$ 0.022378	\$0.013031	\$0.035409	1
2	RATE - B	(3,963.20)	(1,041.25)	68,342.28	36,371.10	104,713.38	0.024728	0.013160	0.037889	2
3	RATE - C	(3,599.39)	(925.06)	40,248.71	19,907.44	60,156.15	0.026154	0.012936	0.039090	3
4	RATE - D	(10,809.65)	(4,271.46)	75,955.68	52,241.61	128,197.29	0.018194	0.012514	0.030708	4
5	FLAT RATES	(136.93)	(47.38)	2,811.89	1,848.57	4,660.46	0.020077	0.013199	0.033275	5
6										6
7										7
8										8
9										9
10	TOTAL	\$ (26,033.04)	\$ (8,523.64)	\$ 286,342.13	\$ 168,007.99	\$ 454,350.12	\$ 0.021958	\$0.012883	\$0.034841	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, 2017 (a)	\$ 24.355	\$ 0.030565	1
2	BASE RATE EFFECTIVE January 1, 2004 (b)	- 13.482	0.015893	2
3	INCREMENTAL CHANGE IN BASE RATE (c)	<u>\$10.873</u>	<u>\$0.014672</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:
 JULY 2017 AUG 2017 SEPT 2017

LINE NO.	DESCRIPTION	JULY 2017 (A)	AUG 2017 (B)	SEPT 2017 (C)	TOTAL (D)	ESTIMATED 3 MONTH AVERAGE (E)	LINE NO.
PURCHASED POWER FROM IMPA							
1	KW DEMAND	27,482	24,713	26,895	79,090	26,363	1
2	KWH ENERGY	13,556,771	13,062,912	12,502,344	39,122,027	13,040,676	2
INCREMENTAL PURCHASED POWER COSTS							
DEMAND RELATED							
3	ECA FACTOR PER KW	\$ 0.416	\$ 0.416	\$ 0.416		\$ 0.416	3
4	CHARGE (a)	\$ 11,432.51	\$ 10,280.61	\$ 11,188.32	\$ 32,901.44	\$ 10,967.15	4
ENERGY RELATED							
5	ECA FACTOR PER KWH	\$ (0.001775)	\$ (0.001775)	\$ (0.001775)		\$ (0.001775)	5
6	CHARGE (b)	\$ (24,063.27)	\$ (23,186.67)	\$ (22,191.66)	\$ (69,441.60)	\$ (23,147.20)	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:

JAN 2017 FEB 2017 MAR 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)	*	21,233	12,012,939	6
	LINE 5 * LINE 6		\$ 239,699.34	\$ 154,930.87	
	OTHER CHARGES		-	-	
7	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		\$ 239,699.34	\$ 154,930.87	7

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

	JAN 2017	FEB 2017	MAR 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:
 JAN 20 FEB 2017 MAR 2017

LINE NO.	RATE SCHEDULE	ACTUAL	DEMAND	ENERGY	INCREMENTAL	INCREMENTAL	LESS PREV. VARIANCE - SYSTEM SALES		LINE NO.
		AVERAGE KWH SALES (a)	ADJUSTMENT FACTOR PER KWH (b)	ADJUSTMENT FACTOR PER KWH (c)	KW DEMAND COST BILLED BY MEMBER (d)	KWH ENERGY COST BILLED BY MEMBER (e)	FROM FILING NUMBER DEMAND (f)	JAN 2017 ENERGY (g)	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	
1	RATE - A	3,740,889	0.022595	0.013641	\$ 83,342.03	\$ 50,315.05	\$ 1,509.83	\$ 990.60	1
2	RATE - B	1,887,978	0.024485	0.013587	45,579.96	25,292.83	861.52	483.72	2
3	RATE - C	1,481,873	0.026474	0.013467	38,681.87	19,676.99	254.69	101.65	3
4	RATE - D	5,089,603	0.020586	0.014252	103,307.72	71,521.50	5,328.58	3,246.02	4
5	FLAT RATES	81,000	0.019589	0.013453	1,564.50	1,074.44	20.44	7.47	5
6									6
7									7
8									8
9									9
10	TOTAL	<u>12,281,343</u>			<u>\$ 272,476.08</u>	<u>\$ 167,880.81</u>	<u>\$ 7,975.06</u>	<u>\$ 4,829.46</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

JAN 2017

FEB 2017

MAR 2017

JAN 2017

FEB 2017

MAR 2017

0.986

0.986

JAN 2017

FEB 2017

MAR 2017

JAN 2017

FEB 2017

MAR 2017

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY
RECONCILIATION OF VARIANCES FOR THE THREE MONTHS OF-
 JAN 2017 FEB 2017 MAR 2017

LINE NO.	RATE SCHEDULE	NET INCREMENTAL COST BILLED BY MEMBER			VARIANCE			LINE NO.
		DEMAND (a) (A)	ENERGY (b) (B)	TOTAL (C)	DEMAND (c) (D)	ENERGY (c) (E)	TOTAL (c) (F)	
1	RATE - A	\$ 81,832.20	\$ 49,324.45	\$ 131,156.65	\$ (7,168.00)	\$ (2,132.61)	\$ (9,300.61)	1
2	RATE - B	44,718.44	24,809.11	69,527.55	(3,775.74)	(992.00)	(4,767.74)	2
3	RATE - C	38,427.18	19,375.34	58,002.52	(3,429.14)	(881.30)	(4,310.44)	3
4	RATE - D	97,979.14	68,275.48	166,254.62	(10,298.35)	(4,069.42)	(14,367.77)	4
5	FLAT RATES	1,544.06	1,066.97	2,611.03	(130.45)	(45.14)	(175.59)	5
6								6
7								7
8								8
9								9
10	TOTAL	<u>\$ 264,501.02</u>	<u>\$ 163,051.35</u>	<u>\$ 427,552.37</u>	<u>\$ (24,801.68)</u>	<u>\$ (8,120.47)</u>	<u>\$ (32,922.15)</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
 JAN 2017 FEB 2017 MAR 2017

LINE NO.	DESCRIPTION	JAN 2017 (A)	FEB 2017 (B)	MAR 2017 (C)	TOTAL (D)	ACTUAL 3 MONTH AVERAGE (E)	LINE NO.
PURCHASED POWER FROM IMPA							
1	KW DEMAND (a)	23,282	19,968	20,448	63,698	21,233	1
2	KWH ENERGY (a)	13,089,378	11,022,409	11,927,029	36,038,816	12,012,939	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)	\$ 9,685.31	\$ 8,306.69	\$ 8,506.37	\$ 26,498.37	\$ 8,832.79	4
ENERGY RELATED							
5	ECA FACTOR PER KWH (a)	\$ (0.001775)	\$ (0.001775)	\$ (0.001775)		\$ (0.001775)	5
6	CHARGE (c)	\$ (23,233.65)	\$ (19,564.78)	\$ (21,170.48)	\$ (63,968.90)	\$ (21,322.97)	6

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

JAN 2017 FEB 2017 MAR 2017

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY
 DETERMINATION OF ACTUAL AVERAGE KWH SALES FOR THE THREE MONTHS OF
 JAN 2017 FEB 2017 MAR 2017

LINE NO.	RATE SCHEDULE	JAN 2017 (A)	FEB 2017 (B)	MAR 2017 (C)	TOTAL (D)	AVERAGE (E)	LINE NO.
1	RATE - A	4,026,556	3,991,511	3,204,601	11,222,668	3,740,889	1
2	RATE - B	2,102,045	1,946,912	1,614,976	5,663,933	1,887,978	2
3	RATE - C	1,501,751	1,460,155	1,483,712	4,445,618	1,481,873	3
4	RATE - D	4,951,409	5,218,014	5,099,386	15,268,809	5,089,603	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>12,662,761</u>	<u>12,697,592</u>	<u>11,483,675</u>	<u>36,844,028</u>	<u>12,281,343</u>	10

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

DETERMINATION OF ACTUAL KW DEMAND ALLOCATION AND KWH ENERGY ALLOCATION FACTORS

Rate Schedule	JAN 2017	FEB 2017	MAR 2017		kW Demand		
	Average Sales (A)	Percent of Total (B)	kWh Energy Factors (C)	Variance (D)	kW Demand Factors (E)	Adjusted Factors (F)	Allocator for 2009 (G)
RATE - A	3,740,889	30.460%	33.919%	-10.198%	34.096%	30.619%	31.149%
RATE - B	1,887,978	15.373%	21.193%	-27.463%	23.147%	16.790%	17.081%
RATE - C	1,481,873	12.066%	11.801%	2.246%	14.037%	14.352%	14.601%
RATE - D	5,089,603	41.442%	32.013%	29.453%	27.776%	35.957%	36.579%
FLAT RATES	81,000	0.660%	1.074%	-38.591%	0.944%	0.580%	0.590%
							0.000%
	12,281,343	100.000%	100.000%		100.000%	98.298%	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 JULY, AUGUST and SEPTEMBER
 2017 - 3RD QUARTER**

	JUL	AUG	SEP	JUL	AUG	SEP
	<u>\$/kW-month</u>			<u>\$/kWh</u>		
IMPA's Energy Cost Adjustment	0.416	0.416	0.416	(0.001775)	(0.001775)	(0.001775)
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for	<u>kW</u>			<u>kWh</u>		
TIPTON	27,482	24,713	26,895	13,556,771	14,062,912	12,502,344



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date:
03/16/17

Amount Due:
\$953,561.61

Billing Period: January 1 to 31, 2017

Invoice No: INV0007199
Invoice Date: 02/14/17

Demand*	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	23,282	3,046	99.15%	01/06/17	900	75.57%
CP Billing Demand:	23,282	3,046	99.15%	01/06/17	900	75.57%
kvar at 97% PF:		5,835				
Reactive Demand:		-				

Energy*	kWh
Getrag Banks #1-4:	1,713,103
Tipton #1:	6,077,617
Tipton #2:	5,297,978
Tipton Dist. Gen.:	680
Total Energy:	13,089,378

History	Jan 2017	Jan 2016	2017 YTD
Max Demand (kW):	23,282	25,011	23,282
CP Demand (kW):	23,282	24,243	23,282
Energy (kWh):	13,089,378	13,743,710	13,089,378
CP Load Factor:	75.57%	76.20%	
HDD/CDD (Indianapolis):	925/0	1112/0	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 22.965 / kW x	23,282	\$ 534,671.13
ECA Demand Charge:	\$ 0.416 / kW x	23,282	\$ 9,685.31
Delivery Voltage Charge - Less than 34.5 kV:	\$ 1.390 / kW x	23,282	\$ 32,361.98
Total Demand Charges:			\$ 576,718.42
Base Energy Charge:	\$ 0.030565 / kWh x	13,089,378	\$ 400,076.84
ECA Energy Charge:	\$ (0.001775) / kWh x	13,089,378	\$ (23,233.65)
Total Energy Charges:			\$ 376,843.19
Average Purchased Power Cost: 7.29 cents per kWh			Total Purchased Power Charges: \$ 953,561.61

Other Charges and Credits

NET AMOUNT DUE: \$ 953,561.61

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

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 03/16/17

Questions, please call: 317-573-9955

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

IMPA Delivery Point Details

Tipton Municipal Utilities

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

Delivery Point	Energy kWh	Individual Substation Maximum Demand				Demand at TIPTON's Maximum Peak on 01/06/17 at 0900 EST				Demand at IMPA's Coincident Peak on 01/06/17 at 0900 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	13,089,378						23,282	3,046	23,480	99.15%	23,282	3,046	23,480	99.15%
* Tipton Dist. Gen.	680		-	-	-	-	-	-	-	-	-	-	-	-
* Tipton #1	6,077,617	01/06/17 at 0900 EST	11,808	989	11,849	99.65%	11,808	989	11,849	99.65%	11,808	989	11,849	99.65%
* Tipton #2	5,297,978	01/06/17 at 1000 EST	9,446	1,229	9,526	99.16%	9,216	1,066	9,277	99.34%	9,216	1,066	9,277	99.34%
* Getrag Bank #1	38,332	01/04/17 at 1100 EST	86	14	87	98.70%	79	14	80	98.47%	79	14	80	98.47%
* Getrag Bank #2	123,651	01/08/17 at 2000 EST	266	65	274	97.14%	259	65	267	96.99%	259	65	267	96.99%
* Getrag Bank #3	501,852	01/03/17 at 1700 EST	972	600	1,142	85.09%	672	372	768	87.49%	672	372	768	87.49%
* Getrag Bank #4	1,049,268	01/03/17 at 2200 EST	1,956	972	2,184	89.55%	1,248	540	1,360	91.78%	1,248	540	1,360	91.78%



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date:
04/13/17

Amount Due:
\$811,951.04

Billing Period: February 1 to 28, 2017
Invoice No: INV0007285
Invoice Date: 03/14/17

Demand*	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	21,727	3,295	98.87%	02/09/17	1000	75.49%
CP Billing Demand:	19,968	2,074	99.46%	02/10/17	800	82.14%
kvar at 97% PF:		5,004				
Reactive Demand:		-				

Energy*	kWh
Getrag Banks #1-4:	1,629,732
Tipton #1:	5,048,955
Tipton #2:	4,343,722
Tipton Dist. Gen.:	-
Total Energy:	11,022,409

History	Feb 2017	Feb 2016	2017 YTD
Max Demand (kW):	21,727	23,023	23,282
CP Demand (kW):	19,968	23,016	23,282
Energy (kWh):	11,022,409	12,285,215	24,111,787
CP Load Factor:	82.14%	79.43%	
HDD/CDD (Indianapolis):	599/0	869/0	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 22.965 / kW x	19,968	\$ 458,565.12
ECA Demand Charge:	\$ 0.416 / kW x	19,968	\$ 8,306.69
Delivery Voltage Charge - Less than 34.5 kV:	\$ 1.390 / kW x	19,968	\$ 27,755.52
Total Demand Charges:			\$ 494,627.33
Base Energy Charge:	\$ 0.030565 / kWh x	11,022,409	\$ 336,899.93
ECA Energy Charge:	\$ (0.001775) / kWh x	11,022,409	\$ (19,564.78)
Total Energy Charges:			\$ 317,335.15
Average Purchased Power Cost: 7.37 cents per kWh			Total Purchased Power Charges: \$ 811,962.48

Other Charges and Credits	
Adjustment - Overpayment on December 2016 Billing:	\$ (11.44)

NET AMOUNT DUE: \$ 811,951.04

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

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 04/13/17
Questions, please call: 317-573-9955

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

IMPA Delivery Point Details

Tipton Municipal Utilities

Billing Period: February 1, 2017 to February 28, 2017

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at TIPTON's Maximum Peak on 02/09/17 at 1000 EST				Demand at IMPA's Coincident Peak on 02/10/17 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	11,022,409						21,727	3,295	21,975	98.87%	19,968	2,074	20,075	99.46%
* Tipton Dist. Gen.	-		-	-	-	-	-	-	-	-	-	-	-	-
* Tipton #1	5,048,955	02/09/17 at 1100 EST	10,656	1,114	10,714	99.46%	10,637	950	10,679	99.60%	10,176	682	10,199	99.78%
* Tipton #2	4,343,722	02/03/17 at 1100 EST	8,947	1,248	9,034	99.04%	8,160	845	8,204	99.47%	7,325	336	7,333	99.89%
* Getrag Bank #1	22,482	02/02/17 at 1100 EST	79	22	82	96.33%	43	-	43	100.00%	43	-	43	100.00%
* Getrag Bank #2	95,802	02/03/17 at 0800 EST	230	65	239	96.23%	223	72	234	95.16%	216	72	228	94.87%
* Getrag Bank #3	471,096	02/02/17 at 1700 EST	972	576	1,130	86.03%	816	576	999	81.70%	672	384	774	86.82%
* Getrag Bank #4	1,040,352	02/13/17 at 1600 EST	2,028	1,032	2,275	89.12%	1,848	852	2,035	90.81%	1,536	600	1,649	93.15%



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date:	Amount Due:
5/15/2017	\$ 849,896.57

Billing Period: March 1 to 31, 2017

Invoice No: INV0007363
Invoice Date: 4/14/2017

Summary of Charges

Demand Charges:	\$ 506,517.41
Energy Charges:	\$ 343,379.16
Subtotal - Purchased Power Charges*:	\$ 849,896.57
Other Charges and Credits:	\$ -
Net Amount Due:	\$ 849,896.57

*Average Purchased Power Cost: 7.13 cents per kWh

Notice something different?

The new invoice layout has the same information as last month's statement, in an easier to read format.

Due Date:	Amount Due:
5/15/2017	\$ 849,896.57

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 05/15/17

Questions, please call: 317-573-9955

Send payments to:

Indiana Municipal Power Agency
P.O. Box 772880, Chicago, IL 60677-2880

Tipton Municipal Utilities
 Billing Period: March 1 to 31, 2017

Due Date:	Amount Due:
5/15/2017	\$ 849,896.57

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	20,952	3,151	98.89%	03/14/17	800	76.51%
CP Billing Demand:	20,448	2,697	99.14%	03/15/17	700	78.40%
kvar at 97% PF:		5,125				
Reactive Demand:		-				

Demand Charges	Rate	Units	Charge
Base Demand Charge:	\$ 22.965 / kW x	20,448	\$ 469,588.32
ECA Demand Charge:	\$ 0.416 / kW x	20,448	\$ 8,506.37
Delivery Voltage Charge - Less than 34.5 kV:	\$ 1.390 / kW x	20,448	\$ 28,422.72
Total Demand Charges:			\$ 506,517.41

Energy	
Energy Information	kWh
Getrag Banks #1-4:	1,796,300
Tipton #1:	5,498,880
Tipton #2:	4,629,889
Tipton Dist. Gen.:	1,960
Total Energy:	11,927,029

Energy Charges	Rate	Units	Charge
Base Energy Charge:	\$ 0.030565 / kWh x	11,927,029	\$ 364,549.64
ECA Energy Charge:	\$ (0.001775) / kWh x	11,927,029	\$ (21,170.48)
Total Energy Charges:			\$ 343,379.16

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

History	Mar 2017	Mar 2016	2017 YTD
Max Demand (kW):	20,952	21,081	23,282
CP Demand (kW):	20,448	20,849	23,282
Energy (kWh):	11,927,029	11,250,442	36,038,816
CP Load Factor:	78.40%	72.53%	
HDD/CDD (Indianapolis):	652/2	482/0	

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

IMPA Delivery Point Details

Tipton Municipal Utilities

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

Delivery Point	Energy kWh	Individual Substation Maximum Demand				Demand at TIPTON's Maximum Peak on 03/14/17 at 0800 EST				Demand at IMPA's Coincident Peak on 03/15/17 at 0700 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	11,927,029						20,952	3,151	21,188	98.89%	20,448	2,697	20,625	99.14%
* Tipton Dist. Gen.	1,960													
* Tipton #1	5,498,880	03/14/17 at 0700 EST	10,435	1,104	10,493	99.44%	10,186	1,008	10,236	99.51%	10,186	864	10,223	99.64%
* Tipton #2	4,629,889	03/22/17 at 1100 EST	8,122	1,152	8,203	99.01%	7,862	691	7,892	99.62%	7,248	278	7,253	99.93%
* Getrag Bank #1	27,074	03/14/17 at 0400 EST	72	22	75	95.64%	58	7	58	99.28%	50	7	50	99.03%
* Getrag Bank #2	104,190	03/03/17 at 0800 EST	216	65	226	95.76%	194	65	205	94.82%	216	72	228	94.87%
* Getrag Bank #3	545,580	03/02/17 at 1700 EST	996	624	1,175	84.74%	828	600	1,023	80.97%	852	600	1,042	81.76%
* Getrag Bank #4	1,119,456	03/01/17 at 1000 EST	1,980	996	2,216	89.33%	1,824	780	1,984	91.95%	1,896	876	2,089	90.78%