Received: November 27, 2018
IURC 30-Day Filing No.: 50235
Indiana Utility Regulatory Commission

TMU

TIPTON MUNICIPAL UTILITIES

P.O. Box 288
Tipton, IN 46072-0288
Office: 765-675-7629
Fax: 765-675-9048

Via Electronic Filing – 30 Day Filings – Electric

November 27, 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 January, February and March 2019. 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
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	Increase	$0.000781	per Kwh
Commercial -	Rate B	Increase	$0.000295	per Kwh
General & Industrial Power -	Rate C	Decrease	$0.000721	per Kwh
Primary Power -	Rate D	Increase	$0.001513	per Kwh

Rate Adjustments applicable to the Rate Schedules are as follows:

Residential -	Rate A	$0.034069	per Kwh
Commercial -	Rate B	$0.035297	per Kwh
General & Industrial Power -	Rate C	$0.036628	per Kwh
Primary Power -	Rate D	$0.032013	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 January 2019 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
1ST QUARTER, 2019

BILLING AND USAGE PERIOD: JANUARY, FEBRUARY AND MARCH 2019

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:

Rate Code		ECA Tracking Factor
RATE - A	$	0.034069 Per Kwh
RATE - B		0.035297 Per Kwh
RATE - C		0.036628 Per Kwh
RATE - D		0.032013 Per Kwh

MONTH'S EFFECTIVE:

JAN 2019 FEB 2019 MARCH 2019

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:

Rate Code	Change in ECA Tracking Factor		
RATE - A	$	0.000781	Per Kwh
RATE - B	$	0.000295	Per Kwh
RATE - C	$	(0.000721)	Per Kwh
RATE - D	$	0.001513	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: Rex A. Boyer

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 November, 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

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 January 1, 2019 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	$	0.000781 / Kwh
RATE - B	$	0.000295 / Kwh
RATE - C	$	(0.000721) / Kwh
RATE - D	$	0.001513 / 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 $0.78 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 $0.55. This change stated as a percentage of the monthly bill will vary from individual to individual depending upon the actual amount of energy consumed.

Filing No. 1ST QTR 2019

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

DETERMINATION OF RATE ADJUSTMENT FOR THE THREE MONTHS OF:
JAN 2019 FEB 2019 MARCH 2019

LINE NO.	DESCRIPTION		DEMAND RELATED (A)	ENERGY RELATED (B)	LINE NO.
1	INCREMENTAL CHANGE IN BASE RATE (a)		12.151	0.014879	1
2	ESTIMATED SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)	+	0.000		2
3	ESTIMATED PURCHASED POWER ENERGY COST ADJUSTMENT (c)	+	(2.450)	(0.003505)	3
4	ESTIMATED TOTAL CHANGE IN PURCHASED POWER RATE		9.701	0.011374	4
5	EST CHANGE IN PURCHASED POWER RATE ADJ FOR LOSSES & UTILITY RECEIPTS TAX (d)		10.172	0.011926	5
6	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (e)	+	0.000	0.000000	6
7	ESTIMATED TOTAL RATE ADJUSTMENT		10.172	0.011926	7
8	ESTIMATED AVERAGE BILLING UNITS (f)	*	22,153	12,537,583	8
9	ESTIMATED INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		$ 225,340.32	$ 149,523.21	9

(a) Exhibit I, Line 3
(b) Exhibit II, Line 9 N/A
(c) Exhibit III, Column E, Lines 3 and 5 96.72%
(d) Line 4 divided by (1 - line loss factor)(0.986) = 95.37%
(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

CITY OF TIPTON, INDIANA

DETERMINATION OF RATE ADJUSTMENT FOR THE THREE MONTHS OF:
JAN 20 FEB 2019 MARCH 2019

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.
						DEMAND (d)	ENERGY (e)	TOTAL	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	
1	RATE - A	34.096	33.919	7,553.3	4,252,623	$ 76,832.03	$ 50,716.78	$ 127,548.81	1
2	RATE - B	23.147	21.193	5,127.8	2,657,090	52,159.52	31,688.45	83,847.97	2
3	RATE - C	14.037	11.801	3,109.6	1,479,560	31,631.02	17,645.23	49,276.25	3
4	RATE - D	27.776	32.013	6,153.2	4,013,656	62,590.53	47,866.87	110,457.40	4
5	FLAT RATES	0.944	1.074	209.1	134,654	2,127.21	1,605.88	3,733.09	5
6									6
7									7
8									8
9									9
10	TOTAL	100.000	100.000	22,153.0	12,537,583	$ 225,340.32	$ 149,523.21	$ 374,863.53	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:
JAN 2019 FEB 2019 MARCH 2019

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 (A)	ENERGY (B)	DEMAND (b) (C)	ENERGY (c) (D)	TOTAL (E)	DEMAND (F)	ENERGY (G)	TOTAL (H)	
1	RATE - A	$ 10,725.09	$ 6,606.78	$ 87,557.12	$ 57,323.56	$ 144,880.69	$ 0.020589	$0.013480	$0.034069	1
2	RATE - B	6,452.11	3,488.42	58,611.63	35,176.87	93,788.51	0.022059	0.013239	0.035297	2
3	RATE - C	3,279.57	1,637.15	34,910.59	19,282.38	54,192.97	0.023595	0.013033	0.036628	3
4	RATE - D	10,516.93	7,515.79	73,107.46	55,382.66	128,490.13	0.018215	0.013799	0.032013	4
5	FLAT RATES	207.04	127.85	2,334.25	1,733.73	4,067.98	0.017335	0.012875	0.030211	5
6										6
7										7
8										8
9										9
10	TOTAL	$ 31,180.75	$ 19,376.00	$ 256,521.06	$ 168,899.21	$ 425,420.27	$ 0.020460	$0.013471	$0.033932	10

(a) Exhibit IV, Page 4 of 7, Columns D and E / (1 - loss factor)(.986) = 95.37%
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

Filing No. 1ST QTR 2019
Exhibit I

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, 2019 (a)		$ 25.633	$ 0.030772	1
2	BASE RATE EFFECTIVE	January 1, 2004 (b)	-	13.482	0.015893	2
3	INCREMENTAL CHANGE IN BASE RATE (c)			$12.151	$0.014879	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

Filing No. 1ST QTR 2019
Exhibit III

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

ESTIMATION OF ENERGY COST ADJUSTMENT FOR THE THREE MONTHS OF:
JAN 2019 FEB 2019 MARCH 2019

LINE NO.	DESCRIPTION	JAN 2019 (A)	FEB 2019 (B)	MARCH 2019 (C)	TOTAL (D)	ESTIMATED 3 MONTH AVERAGE (E)	LINE NO.
	PURCHASED POWER FROM IMPA						
1	KW DEMAND	24,135	22,119	20,205	66,459	22,153	1
2	KWH ENERGY	13,856,631	11,938,337	11,817,781	37,612,749	12,537,583	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW	$ (2.450)	$ (2.450)	$ (2.450)		$ (2.450)	3
4	CHARGE (a)	$ (59,130.75)	$ (54,191.55)	$ (49,502.25)	$ (162,824.55)	$ (54,274.85)	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH	$ (0.003505)	$ (0.003505)	$ (0.003505)		$ (0.003505)	5
6	CHARGE (b)	$ (48,567.49)	$ (41,843.87)	$ (41,421.32)	$ (131,832.69)	$ (43,944.23)	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:
JULY 2018 AUG 2018 SEPT 2018

LINE NO.	DESCRIPTION		DEMAND RELATED	ENERGY RELATED	LINE NO.
			(A)	(B)	
1	INCREMENTAL CHANGE IN BASE RATE (a)		$ 11.120	$ 0.015982	1
2	ACTUAL SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)	+			2
3	ACTUAL PURCHASED POWER ENERGY COST ADJUSTMENT (c) +	+	(0.939)	(0.004650)	3
4	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO IMPA MEMBERSHIP (d)	+	0.000	0.000000	4
5	TOTAL RATE ADJUSTMENT (e)		10.181	$ 0.011332	5
6	ACTUAL AVERAGE BILLING UNITS (f)	*	26,579	13,230,747	6
	LINE 5 * LINE 6		$ 270,600.80	$ 149,930.83	
	OTHER CHARGES		-	-	
7	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		$ 270,600.80	$ 149,930.83	7

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

	JULY 2018	AUG 2018	SEPT 2018
Base Rate Effective 01/01/2018		minus	Base Rate Effective 01/01/2004
Demand	$24.602		$13.482
Energy	$0.031875		$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:
JULY 2018 AUG 2018 SEPT 2018

LINE NO.	RATE SCHEDULE	KW DEMAND ALLOCATOR (%) (a) (A)	KWH ENERGY ALLOCATOR (%) (a) (B)	ALLOCATED ACTUAL KW PURCHASED (b) (C)	ALLOCATED ACTUAL KWH PURCHASED (c) (D)	INCREMENTAL CHANGE IN PURCHASED POWER COST DEMAND (d) (E)	ENERGY (e) (F)	TOTAL (G)	LINE NO.
1	RATE - A	34.844	34.158	9,261.1	4,519,381	$ 94,287.72	$ 51,213.63	$ 145,501.35	1
2	RATE - B	20.524	18.518	5,455.2	2,450,082	55,539.08	27,764.33	83,303.41	2
3	RATE - C	10.927	9.052	2,904.2	1,197,702	29,567.88	13,572.36	43,140.24	3
4	RATE - D	33.060	37.548	8,786.9	4,967,843	89,459.61	56,295.60	145,755.21	4
5	FLAT RATES	0.645	0.724	171.5	95,739	1,746.51	1,084.91	2,831.42	5
6									6
7									7
8									8
9									9
10	TOTAL	100.000	100.000	26,579.0	13,230,747	$ 270,600.80	$ 149,930.83	$ 420,531.63	10

(a) Page 2 of 3, Columns A and B of tracker filed for the months of JULY 2018 AUG 2018 SEPT 2018
(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

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

RECONCILIATION OF VARIANCES FOR THE THREE MONTHS OF:
JULY 2(AUG 2018 SEPT 2018

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 JULY 2018 DEMAND (f) (F)	ENERGY (g) (G)	LINE NO.
1	RATE - A	3,823,637	0.022121	0.011564	$ 83,398.52	$ 43,597.51	$ (660.68)	$ (1,315.23)	1
2	RATE - B	2,072,900	0.024382	0.011601	49,833.87	23,711.04	448.17	(726.38)	2
3	RATE - C	1,013,320	0.026142	0.011564	26,119.35	11,553.98	(320.80)	(457.03)	3
4	RATE - D	4,203,060	0.018103	0.011401	75,022.76	47,248.22	(4,406.85)	(1,879.57)	4
5	FLAT RATES	81,000	0.019618	0.011607	1,566.81	927.00	17.75	(35.98)	5
6									6
7									7
8									8
9									9
10	TOTAL	11,193,917			$ 235,941.31	$ 127,037.75	$ (4,922.41)	$ (4,414.19)	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	JULY 2018	AUG 2018	SEPT 2018
(c) Page 3 of 3, Column G of Tracker Filing for the three months of	JULY 2018	AUG 2018	SEPT 2018
(d) Column A times Column B times the Utility Receipts Tax Factor of	0.986		
(e) Column A times Column C times the Utility Receipts Tax Factor of	0.986		
(f) Exhibit IV, Page 4 of 7, Column D of Tracker Filing for the three months of	JULY 2018	AUG 2018	SEPT 2018
(g) Exhibit IV, Page 4 of 7, Column E of Tracker Filing for the three months of	JULY 2018	AUG 2018	SEPT 2018

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

RECONCILIATION OF VARIANCES FOR THE THREE MONTHS OF:
JULY 2018 AUG 2018 SEPT 2018

LINE NO.	RATE SCHEDULE	NET INCREMENTAL COST BILLED BY MEMBER DEMAND (a) (A)	ENERGY (b) (B)	TOTAL (C)	VARIANCE DEMAND (c) (D)	ENERGY (c) (E)	TOTAL (c) (F)	LINE NO.
1	RATE - A	$ 84,059.20	$ 44,912.74	$ 128,971.94	$ 10,228.52	$ 6,300.89	$ 16,529.41	1
2	RATE - B	49,385.70	24,437.42	73,823.12	6,153.38	3,326.91	9,480.29	2
3	RATE - C	26,440.15	12,011.01	38,451.16	3,127.73	1,561.35	4,689.08	3
4	RATE - D	79,429.61	49,127.79	128,557.40	10,030.00	7,167.81	17,197.81	4
5	FLAT RATES	1,549.06	962.98	2,512.04	197.45	121.93	319.38	5
6								6
7								7
8								8
9								9
10	TOTAL	$ 240,863.72	$ 131,451.94	$ 372,315.66	$ 29,737.08	$ 18,478.89	$ 48,215.97	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
JULY 2018 AUG 2018 SEPT 2018

LINE NO.	DESCRIPTION	JULY 2018 (A)	AUG 2018 (B)	SEPT 2018 (C)	TOTAL (D)	ACTUAL 3 MONTH AVERAGE (E)	LINE NO.
	PURCHASED POWER FROM IMPA						
1	KW DEMAND (a)	26,854	26,964	25,920	79,738	26,579	1
2	KWH ENERGY (a)	12,828,967	13,210,231	13,653,042	39,692,240	13,230,747	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW (a)	$ (0.939)	$ (0.939)	$ (0.939)		$ (0.939)	3
4	CHARGE (b)	$ (25,215.91)	$ (25,319.20)	$ (24,338.88)	$ (74,873.98)	$ (24,957.99)	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH (a)	$ (0.004650)	$ (0.004650)	$ (0.004650)		$ (0.004650)	5
6	CHARGE (c)	$ (59,654.70)	$ (61,427.57)	$ (63,486.65)	$ (184,568.92)	$ (61,522.97)	6

(a) From IMPA bills for the months JULY 2018 AUG 2018 SEPT 2018
(b) Line 1 times Line 3
(c) Line 2 times Line 5

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

DETERMINATION OF ACTUAL AVERAGE KWH SALES FOR THE THREE MONTHS OF
JULY 2018 AUG 2018 SEPT 2018

LINE NO.	RATE SCHEDULE	JULY 2018 (A)	AUG 2018 (B)	SEPT 2018 (C)	TOTAL (D)	AVERAGE (E)	LINE NO.
1	RATE - A	3,711,396	3,780,322	3,979,194	11,470,912	3,823,637	1
2	RATE - B	1,998,929	2,023,577	2,196,195	6,218,701	2,072,900	2
3	RATE - C	912,012	1,056,630	1,071,318	3,039,960	1,013,320	3
4	RATE - D	3,960,340	4,208,500	4,440,340	12,609,180	4,203,060	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	10,663,677	11,150,029	11,768,047	33,581,753	11,193,917	10

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

DETERMINATION OF ACTUAL KW DEMAND ALLOCATION AND KWH ENERGY ALLOCATION FACTORS

JULY 2018 AUG 2018 SEPT 2018

Rate Schedule	Average Sales (A)	Percent of Total (B)	kWh Energy Factors (C)	Variance (D)	kW Demand Factors (E)	Adjusted Factors (F)	kW Demand Allocator for 2009 (G)
RATE - A	3,823,637	34.158%	33.919%	0.705%	34.096%	34.336%	34.844%
RATE - B	2,072,900	18.518%	21.193%	-12.622%	23.147%	20.225%	20.524%
RATE - C	1,013,320	9.052%	11.801%	-23.291%	14.037%	10.768%	10.927%
RATE - D	4,203,060	37.548%	32.013%	17.289%	27.776%	32.578%	33.060%
FLAT RATES	81,000	0.724%	1.074%	-32.625%	0.944%	0.636%	0.645%
							0.000%
	11,193,917	100.000%	100.000%		100.000%	98.544%	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 JANUARY, FEBRUARY and MARCH
2019 - 1ST QUARTER

	JAN	FEB	MAR	JAN	FEB	MAR
		$/kW-month			$/kWh	
IMPA's Energy Cost Adjustment	(2.450)	(2.450)	(2.450)	(0.003505)	(0.003505)	(0.003505)
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for		kW			kWh	
TIPTON	24,135	22,119	20,205	13,856,631	11,938,337	11,817,781

10/9/2018

Table 6 - October 26, 2018
2019 RATE STUDY
Proposed and Present Demand and Energy Rates

	IMPA BASE RATE		ENERGY COST ADJ.		TOTAL DEMAND RATE	REACTIVE DEMAND RATE	PRIMARY VOLTAGE DEMAND	TOTAL ENERGY RATE
	DEMAND $/kW-Mo	ENERGY $/kWh	DEMAND $/kW-Mo	ENERGY $/kWh	$/kW-Mo	$/kvar-Mo	$/kW-Mo	$/kWh
Proposed Rates	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.974	0.027267
Present Rates	23.614	0.031875	(0.939)	(0.004650)	22.675	1.200	0.988	0.027225
Increase/(Decrease)	1.084	(0.001103)	(1.511)	0.001145	(0.427)	-	(0.014)	0.000042
Added for Krohn:								
Coatesville	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.974	0.027267
Columbia City	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.000	0.027267
Greenfield	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.339	0.027267
Huntingburg	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.000	0.027267
Ladoga	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.974	0.027267
Linton	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.000	0.027267
New Ross	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.974	0.027267
Pendleton	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.255	0.027267
Spiceland	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.913	0.027267
Tipton	24.698	0.030772	(2.450)	(0.003505)	22.248	1.200	0.935	0.027267

IMPA
INDIANA MUNICIPAL POWER AGENCY

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

Due Date:	Amount Due:
8/15/2018	$ 984,714.82

Invoice No: INV0008655
Invoice Date: 7/16/2018

Billing Period: June 1 to 30, 2018

Summary of Charges		
Demand Charges:	$	635,446.20
Energy Charges:	$	349,268.62
Subtotal - Purchased Power Charges*:	$	984,714.82
Other Charges and Credits:	$	-
Net Amount Due:	**$**	**984,714.82**

*Average Purchased Power Cost: 7.68 cents per kWh

Due Date:	Amount Due:
8/15/2018	$ 984,714.82

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 08/15/18
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: June 1 to 30, 2018

Due Date:	Amount Due:
8/15/2018	$ 984,714.82

Demand

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	27,381	7,243	96.67%	06/18/18	1400	65.07%
CP Billing Demand:	26,854	6,610	97.10%	06/18/18	1600	66.35%
kvar at 97% PF:		6,730				
Reactive Demand:		-				

Demand Charges	Rate	Units	Charge
Base Demand Charge:	$ 23.614 / kW x	26,854	$ 634,130.36
ECA Demand Charge:	$ (0.939) / kW x	26,854	$ (25,215.91)
Primary Voltage Charge - Less than 15 kV:	$ 0.988 / kW x	26,854	$ 26,531.75
Total Demand Charges:			**$ 635,446.20**

Energy

Energy Information	kWh
Getrag Banks #1-4:	1,769,078
Tipton #1:	6,046,095
Tipton #2:	5,013,674
Tipton Dist. Gen.:	120
Total Energy:	12,828,967

Energy Charges	Rate	Units	Charge
Base Energy Charge:	$ 0.031875 / kWh x	12,828,967	$ 408,923.32
ECA Energy Charge:	$ (0.004650) / kWh x	12,828,967	$ (59,654.70)
Total Energy Charges:			**$ 349,268.62**

Other Charges and Credits

Other Charges and Credits

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

History

	Jun 2018	Jun 2017	2018 YTD
Max Demand (kW):	27,381	24,101	27,381
CP Demand (kW):	26,854	23,945	26,854
Energy (kWh):	12,828,967	12,127,436	73,149,454
CP Load Factor:	66.35%	70.34%	
HDD/CDD (Indianapolis):	0/312	3/220	

IMPA Delivery Point Details

Tipton Municipal Utilities

Billing Period: June 1, 2018 to June 30, 2018

		Individual Substation Maximum Demand					Demand at TIPTON's Maximum Peak on 06/18/18 at 1400 EST				Demand at IMPA's Coincident Peak on 06/18/18 at 1600 EST			
Delivery Point	Energy kWh	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	12,828,967						27,381	7,243	28,323	96.67%	26,854	6,610	27,656	97.10%
* Tipton Dist. Gen.	120	-	-	-	-	-	-	-	-	-	-	-	-	-
* Tipton #1	6,046,095	06/18/18 at 1400 EST	13,814	2,659	14,068	98.20%	13,814	2,659	14,068	98.20%	13,114	2,064	13,275	98.78%
* Tipton #2	5,013,674	06/18/18 at 1500 EST	10,502	2,736	10,853	96.77%	10,320	2,650	10,655	96.86%	10,483	2,698	10,825	96.84%
* Getrag Bank #1	22,502	06/25/18 at 0900 EST	65	22	69	94.72%	43	14	45	95.09%	29	-	29	100.00%
* Getrag Bank #2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* Getrag Bank #3	524,424	06/26/18 at 0500 EST	984	636	1,172	83.98%	864	672	1,095	78.94%	948	648	1,148	82.56%
* Getrag Bank #4	1,222,152	06/19/18 at 1000 EST	2,436	1,260	2,743	88.82%	2,340	1,248	2,652	88.24%	2,280	1,200	2,577	88.49%

IMPA
INDIANA MUNICIPAL POWER AGENCY

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

Due Date:	Amount Due:
9/13/2018	$ 998,084.07

Invoice No:	INV0008745
Invoice Date:	8/14/2018

Billing Period: July 1 to 31, 2018

Summary of Charges		
Demand Charges:	$	638,435.53
Energy Charges:	$	359,648.54
Subtotal - Purchased Power Charges*:	$	998,084.07
Other Charges and Credits:	$	-
Net Amount Due:	**$**	**998,084.07**

*Average Purchased Power Cost: 7.56 cents per kWh

Due Date:	Amount Due:
9/13/2018	$ 998,084.07

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 09/13/18
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: July 1 to 31, 2018

Due Date:	Amount Due:
9/13/2018	$ 998,084.07

Demand

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	26,964	7,080	96.72%	07/10/18	1400	65.85%
CP Billing Demand:	26,964	7,080	96.72%	07/10/18	1400	65.85%
kvar at 97% PF:		6,758				
Reactive Demand:		322				

Demand Charges	Rate		Units	Charge
Base Demand Charge:	$ 23.614	/ kW x	26,964	$ 636,727.90
ECA Demand Charge:	$ (0.939)	/ kW x	26,964	$ (25,319.20)
Primary Voltage Charge - Less than 15 kV:	$ 0.988	/ kW x	26,964	$ 26,640.43
Reactive Demand Charge:	$ 1.200	/ kvar x	322	$ 386.40
Total Demand Charges:				**$ 638,435.53**

Energy

Energy Information	kWh
Getrag Banks #1-4:	1,801,943
Tipton #1:	6,300,228
Tipton #2:	5,108,060
Tipton Dist. Gen.:	-
Total Energy:	13,210,231

Energy Charges	Rate		Units	Charge
Base Energy Charge:	$ 0.031875	/ kWh x	13,210,231	$ 421,076.11
ECA Energy Charge:	$ (0.004650)	/ kWh x	13,210,231	$ (61,427.57)
Total Energy Charges:				**$ 359,648.54**

Other Charges and Credits

Other Charges and Credits

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

History

	Jul 2018	Jul 2017	2018 YTD
Max Demand (kW):	26,964	25,193	27,381
CP Demand (kW):	26,964	24,649	26,964
Energy (kWh):	13,210,231	12,744,335	86,359,685
CP Load Factor:	65.85%	69.49%	
HDD/CDD (Indianapolis):	0/377	0/355	

IMPA Delivery Point Details

Tipton Municipal Utilities

Billing Period: July 1, 2018 to July 31, 2018

	Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at TIPTON's Maximum Peak on 07/10/18 at 1400 EST				Demand at IMPA's Coincident Peak on 07/10/18 at 1400 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	13,210,231						26,964	7,080	27,878	96.72%	26,964	7,080	27,878	96.72%
*	Tipton #1	6,300,228	07/10/18 at 1400 EST	13,690	2,573	13,930	98.28%	13,690	2,573	13,930	98.28%	13,690	2,573	13,930	98.28%
*	Tipton #2	5,108,060	07/03/18 at 1600 EST	10,752	2,832	11,119	96.70%	10,070	2,592	10,398	96.84%	10,070	2,592	10,398	96.84%
*	Getrag Bank #1	22,583	07/10/18 at 1100 EST	65	14	66	97.76%	36	7	37	98.16%	36	7	37	98.16%
*	Getrag Bank #2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*	Getrag Bank #3	508,524	07/05/18 at 1600 EST	936	624	1,125	83.21%	804	624	1,018	79.00%	804	624	1,018	79.00%
*	Getrag Bank #4	1,270,836	07/10/18 at 1400 EST	2,364	1,284	2,690	87.87%	2,364	1,284	2,690	87.87%	2,364	1,284	2,690	87.87%
*	Tipton Dist. Gen.	-	-	-	-	-	-	-	-	-	-	-	-	-	-

IMPA
INDIANA MUNICIPAL POWER AGENCY

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

Due Date:	Amount Due:
10/15/2018	$ 985,049.02

Invoice No:	INV0008838
Invoice Date:	9/14/2018

Billing Period: August 1 to 31, 2018

Summary of Charges		
Demand Charges:	$	613,344.96
Energy Charges:	$	371,704.06
Subtotal - Purchased Power Charges*:	$	985,049.02
Other Charges and Credits:	$	-
Net Amount Due:	**$**	**985,049.02**

*Average Purchased Power Cost: 7.22 cents per kWh

Due Date:	Amount Due:
10/15/2018	$ 985,049.02

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 10/15/18
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: August 1 to 31, 2018

Due Date:	Amount Due:
10/15/2018	$ 985,049.02

Demand

Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	26,585	6,418	97.21%	08/06/18	1400	69.03%
CP Billing Demand:	25,920	5,428	97.88%	08/28/18	1600	70.80%
kvar at 97% PF:		6,496				
Reactive Demand:		-				

Demand Charges	Rate		Units	Charge
Base Demand Charge:	$ 23.614	/ kW x	25,920	$ 612,074.88
ECA Demand Charge:	$ (0.939)	/ kW x	25,920	$ (24,338.88)
Primary Voltage Charge - Less than 15 kV:	$ 0.988	/ kW x	25,920	$ 25,608.96
Total Demand Charges:				**$ 613,344.96**

Energy

Energy Information	kWh
Getrag Banks #1-4:	1,759,386
Tipton #1:	6,646,167
Tipton #2:	5,247,449
Tipton Dist. Gen.:	40
Total Energy:	13,653,042

Energy Charges	Rate		Units	Charge
Base Energy Charge:	$ 0.031875	/ kWh x	13,653,042	$ 435,190.71
ECA Energy Charge:	$ (0.004650)	/ kWh x	13,653,042	$ (63,486.65)
Total Energy Charges:				**$ 371,704.06**

Other Charges and Credits

Other Charges and Credits

Total Other Charges and Credits:	$ -

History

	Aug 2018	Aug 2017	2018 YTD
Max Demand (kW):	26,585	25,901	27,381
CP Demand (kW):	25,920	25,352	26,964
Energy (kWh):	13,653,042	12,552,236	100,012,727
CP Load Factor:	70.80%	66.55%	
HDD/CDD (Indianapolis):	0/340	0/257	

IMPA Delivery Point Details

Tipton Municipal Utilities

Billing Period: August 1, 2018 to August 31, 2018

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at TIPTON's Maximum Peak on 08/06/18 at 1400 EST				Demand at IMPA's Coincident Peak on 08/28/18 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	**13,653,042**						**26,585**	**6,418**	**27,349**	**97.21%**	**25,920**	**5,428**	**26,482**	**97.88%**
* Tipton #1	6,646,167	08/28/18 at 1400 EST	13,613	2,170	13,785	98.75%	13,373	1,901	13,507	99.00%	13,488	2,035	13,641	98.88%
* Tipton #2	5,247,449	08/28/18 at 1500 EST	10,320	2,352	10,585	97.50%	10,195	2,602	10,522	96.89%	10,224	2,294	10,478	97.57%
* Getrag Bank #1	26,370	08/27/18 at 0900 EST	72	22	75	95.64%	29	7	30	97.21%	36	7	37	98.16%
* Getrag Bank #2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* Getrag Bank #3	530,472	08/16/18 at 1600 EST	1,008	648	1,198	84.12%	864	660	1,087	79.47%	684	384	784	87.20%
* Getrag Bank #4	1,202,544	08/08/18 at 2100 EST	2,184	1,272	2,527	86.41%	2,124	1,248	2,464	86.22%	1,488	708	1,648	90.30%
* Tipton Dist. Gen.	40	-	-	-	-	-	-	-	-	-	-	-	-	-