



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**

September 9, 2015

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 October, November and December 2015. 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, 2015**

**BILLING AND USAGE PERIOD: OCTOBER 2015 THROUGH DECEMBER 2015**

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	\$	0.033897 Per Kwh
RATE - B		0.035344 Per Kwh
RATE - C		0.036759 Per Kwh
RATE - D		0.030580 Per Kwh

MONTH'S EFFECTIVE:

OCT 2015

NOV 2015

DEC 2015

TO THE INDIANA UTILITY REGULATORY COMMISSION:

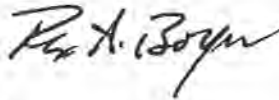
1. Tipton Municipal Electric Utility, Tipton, Indiana, under and pursuant to the Indiana Utility Regulatory Commission Act, as amended, and Commission Order in Cause No. 36835-S3, hereby files with the Indiana Utility Regulatory Commission for approval, a change in its rates for electricity sold in the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

<u>Rate Code</u>	<u>Change in ECA Tracking Factor</u>
RATE - A	\$ (0.002258) Per Kwh
RATE - B	\$ (0.003005) Per Kwh
RATE - C	\$ (0.003013) Per Kwh
RATE - D	\$ (0.002059) 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

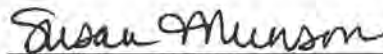
BY:



STATE OF INDIANA )  
COUNTY OF TIPTON)

SS:

Personally appeared before me, a Notary Public in and for said county and state, this 9th day of Sept, 2015 Rex Boyer, who, after having been duly sworn according to law, stated that she is an employee of Tipton Utilities; Tipton, Indiana, that she has read the matters and facts stated above, and in all exhibits attached hereto, and that the same are true; that she is duly authorized to execute this instrument for and on behalf of the applicant herein.

  
Susan Munson, Notary Public

My County of Residence: Tipton

My Commission expires:  
May 8, 2019



## 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	\$(0.002258)	per Kwh
Commercial -	Rate B	Decrease	\$(0.003005)	per Kwh
General & Industrial Power -	Rate C	Decrease	\$(0.003013)	per Kwh
Primary Power -	Rate D	Decrease	\$(0.002059)	per Kwh

Rate Adjustments applicable to the Rate Schedules are as follows:

Residential -	Rate A	\$0.033897	per Kwh
Commercial -	Rate B	\$0.035344	per Kwh
General & Industrial Power -	Rate C	\$0.036759	per Kwh
Primary Power -	Rate D	\$0.030580	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 Regulator 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 July 2015 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

---

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

QUARTERLY ENERGY COST ADJUSTMENT FACTOR

On October 1, 2015 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	\$	(0.002258) / Kwh
RATE - B	\$	(0.003005) / Kwh
RATE - C	\$	(0.003013) / Kwh
RATE - D	\$	(0.002059) / 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 decrease of approximately (\$2.26) 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 (\$1.58). 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. 4TH QTR 2015

Page 1 of 3

DETERMINATION OF RATE ADJUSTMENT FOR THE THREE MONTHS OF:  
OCT 2015 NOV 2015 DEC 2015

LINE NO.	DESCRIPTION		DEMAND RELATED (A)	ENERGY RELATED (B)	LINE NO.
1	INCREMENTAL CHANGE IN BASE RATE (a)		8.896	0.014888	1
2	ESTIMATED SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)	+	0.000		2
3	ESTIMATED PURCHASED POWER ENERGY COST ADJUSTMENT (c)	+	0.087	0.002460	3
4	ESTIMATED TOTAL CHANGE IN PURCHASED POWER RATE		8.983	0.017348	4
5	EST CHANGE IN PURCHASED POWER RATE ADJ FOR LOSSES & UTILITY RECEIPTS TAX (d)		9.440	0.018230	5
6	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (e)	+	0.000	0.000000	6
7	ESTIMATED TOTAL RATE ADJUSTMENT		9.440	0.018230	7
8	ESTIMATED AVERAGE BILLING UNITS (f)	*	21,236	12,122,104	8
9	ESTIMATED INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		\$ 200,467.84	\$ 220,985.96	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

96.51%

95.16%

CITY OF TIPTON, INDIANA

DETERMINATION OF RATE ADJUSTMENT FOR THE THREE MONTHS OF:  
OCT 20 NOV 2015 DEC 2015

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)	ENERGY (e)	TOTAL (G)	
1	RATE - A	34.096	33.919	7,240.6	4,111,696	\$ 68,351.51	\$ 74,956.23	\$ 143,307.74	1
2	RATE - B	23.147	21.193	4,915.5	2,569,038	46,402.29	46,833.55	93,235.84	2
3	RATE - C	14.037	11.801	2,980.9	1,430,529	28,139.67	26,078.55	54,218.22	3
4	RATE - D	27.776	32.013	5,898.5	3,880,649	55,681.95	70,744.24	126,426.19	4
5	FLAT RATES	0.944	1.074	200.5	130,191	1,892.42	2,373.39	4,265.81	5
6									6
7									7
8									8
9									9
10	TOTAL	100.000	100.000	21,236.0	12,122,104	\$ 200,467.84	\$ 220,985.96	\$ 421,453.80	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:  
OCT 2015 NOV 2015 DEC 2015

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	\$ (3,040.96)	\$ (892.17)	\$ 65,310.55	\$ 74,064.06	\$ 139,374.61	\$ 0.015884	\$0.018013	\$0.033897	1
2	RATE - B	(1,981.02)	(453.96)	44,421.27	46,379.59	90,800.86	0.017291	0.018053	0.035344	2
3	RATE - C	(1,390.07)	(243.07)	26,749.60	25,835.48	52,585.08	0.018699	0.018060	0.036759	3
4	RATE - D	(2,750.33)	(5,004.64)	52,931.62	65,739.60	118,671.22	0.013640	0.016940	0.030580	4
5	FLAT RATES	(81.65)	(17.14)	1,810.77	2,356.25	4,167.02	0.013909	0.018098	0.032007	5
6										6
7										7
8										8
9										9
10	TOTAL	\$ (9,244.03)	\$ (6,610.99)	\$ 191,223.81	\$ 214,374.97	\$ 405,598.78	\$ 0.015775	\$0.017685	\$0.033459	10

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

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

95.16%

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, 2015 (a)	\$ 22.378	\$ 0.030781	1
2	BASE RATE EFFECTIVE January 1, 2004 (b)	- 13.482	0.015893	2
3	INCREMENTAL CHANGE IN BASE RATE (c)	<u>\$8.896</u>	<u>\$0.014888</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:

OCT 2015 NOV 2015 DEC 2015

LINE NO.	DESCRIPTION	OCT 2015 (A)	NOV 2015 (B)	DEC 2015 (C)	TOTAL (D)	ESTIMATED 3 MONTH AVERAGE (E)	LINE NO.
PURCHASED POWER FROM IMPA							
1	KW DEMAND	20,757	20,338	22,614	63,709	21,236	1
2	KWH ENERGY	11,999,004	11,566,438	12,800,870	36,366,312	12,122,104	2
INCREMENTAL PURCHASED POWER COSTS							
DEMAND RELATED							
3	ECA FACTOR PER KW	\$ 0.087	\$ 0.087	\$ 0.087		\$ 0.087	3
4	CHARGE (a)	\$ 1,805.86	\$ 1,769.41	\$ 1,967.42	\$ 5,542.68	\$ 1,847.56	4
ENERGY RELATED							
5	ECA FACTOR PER KWH	\$ 0.002460	\$ 0.002460	\$ 0.002460		\$ 0.002460	5
6	CHARGE (b)	\$ 29,517.55	\$ 28,453.44	\$ 31,490.14	\$ 89,461.13	\$ 29,820.38	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:  
APR 2015 MAY 2015 JUNE 2015

LINE NO.	DESCRIPTION	DEMAND RELATED	ENERGY RELATED	LINE NO.
		(A)	(B)	
1	INCREMENTAL CHANGE IN BASE RATE (a)	\$ 8.8960	\$ 0.014888	1
2	ACTUAL SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)	*		2
3	ACTUAL PURCHASED POWER ENERGY COST ADJUSTMENT (c)	0.087	0.002460	3
4	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO IMPA MEMBERSHIP (d)	* 0.000	0.000000	4
5	TOTAL RATE ADJUSTMENT (e)	8.983	\$ 0.017348	5
6	ACTUAL AVERAGE BILLING UNITS (f)	* 21,063	11,292,271	6
	LINE 5 * LINE 6	\$ 189,208.93	\$ 195,898.32	
	OTHER CHARGES	-	-	
7	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (g)	\$ 189,208.93	\$ 195,898.32	7

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

	APR 2015	MAY 2015	JUNE 2015
Base Rate Effective 01/01/2015		minus	Base Rate Effective 01/01/2004
Demand	\$22.378000		\$13.482000
Energy	\$0.030781		\$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:  
APR 2015      MAY 2015      JUNE 2015

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	27.017	26.002	5,690.6	2,936,204	\$ 51,119.05	\$ 50,937.27	\$ 102,056.32	1
2	RATE - B	17.074	15.123	3,596.2	1,707,781	32,305.06	29,626.58	61,931.64	2
3	RATE - C	11.453	9.315	2,412.4	1,051,913	21,670.62	18,248.58	39,919.20	3
4	RATE - D	43.794	48.831	9,224.4	5,514,177	82,862.92	95,659.95	178,522.87	4
5	FLAT RATES	0.661	0.728	139.3	82,196	1,251.28	1,425.94	2,677.22	5
6									6
7									7
8									8
9									9
10	TOTAL	100.000	100.000	21,063.0	11,292,271	\$ 189,208.93	\$ 195,898.32	\$ 385,107.25	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

APR 2015

MAY 2015

JUNE 2015



TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

RECONCILIATION OF VARIANCES FOR THE THREE MONTHS OF:  
APR 20 MAY 2015 JUNE 2015

LINE NO.	RATE SCHEDULE	ACTUAL AVERAGE KWH SALES (a)	DEMAND ADJUSTMENT FACTOR PER KWH (b)	ENERGY ADJUSTMENT FACTOR PER KWH (c)	INCREMENTAL KW DEMAND COST BILLED BY MEMBER (d)	INCREMENTAL KWH ENERGY COST BILLED BY MEMBER (e)	LESS PREV. VARIANCE - SYSTEM SALES FROM FILING NUMBER	APR 2015	LINE NO.
		(A)	(B)	(C)	(D)	(E)	DEMAND (f)	ENERGY (g)	
1	RATE - A	2,893,481	0.018460	0.018608	\$ 52,665.87	\$ 33,088.11	\$ (1,346.96)	\$ 1,301.85	1
2	RATE - B	1,682,932	0.020071	0.018620	33,305.23	30,897.49	(884.97)	838.92	2
3	RATE - C	1,036,607	0.021204	0.019100	21,672.49	19,522.00	(1,320.92)	1,042.11	3
4	RATE - D	5,433,944	0.015466	0.019535	82,864.80	104,665.97	(2,615.33)	4,243.60	4
5	FLAT RATES	81,000	0.016053	0.018700	1,282.09	1,493.49	(46.89)	51.24	5
6									6
7									7
8									8
9									9
10	TOTAL	11,127,964			\$ 191,790.48	\$ 209,667.06	\$ (6,215.07)	\$ 7,477.72	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

APR 2015

APR 2015

0.986

0.986

APR 2015

APR 2015

MAY 2015

MAY 2015

MAY 2015

MAY 2015

JUNE 2015

JUNE 2015

JUNE 2015

JUNE 2015

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY  
RECONCILIATION OF VARIANCES FOR THE THREE MONTHS OF  
APR 2015 MAY 2015 JUNE 2015

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	\$ 54,012.83	\$ 51,786.26	\$ 105,799.09	\$ (2,893.78)	\$ (848.99)	\$ (3,742.77)	1
2	RATE - B	34,190.20	30,058.57	64,248.77	(1,885.14)	(431.99)	(2,317.13)	2
3	RATE - C	22,993.41	18,479.89	41,473.30	(1,322.79)	(231.31)	(1,554.10)	3
4	RATE - D	85,480.13	100,422.37	185,902.50	(2,617.21)	(4,762.42)	(7,379.63)	4
5	FLAT RATES	1,328.98	1,442.25	2,771.23	(77.70)	(16.31)	(94.01)	5
6								6
7								7
8								8
9								9
10	TOTAL	\$ 198,005.55	\$ 202,189.34	\$ 400,194.89	\$ (8,796.62)	\$ (6,291.02)	\$ (15,087.64)	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  
APR 2015 MAY 2015 JUNE 2015

LINE NO.	DESCRIPTION	APR 2015 (A)	MAY 2015 (B)	JUNE 2015 (C)	TOTAL (D)	ACTUAL 3 MONTH AVERAGE (E)	LINE NO.
	PURCHASED POWER FROM IMPA						
1	KW DEMAND (a)	18,255	21,037	23,897	63,189	21,063	1
2	KWH ENERGY (a)	10,292,777	11,218,591	12,365,446	33,876,814	11,292,271	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW (a)	\$ 0.087	\$ 0.087	\$ 0.087		\$ 0.087	3
4	CHARGE (b)	\$ 1,588.19	\$ 1,830.22	\$ 2,079.04	\$ 5,497.44	\$ 1,832.48	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH (a)	\$ 0.002460	\$ 0.002460	\$ 0.002460		\$ 0.002460	5
6	CHARGE (c)	\$ 25,320.23	\$ 27,597.73	\$ 30,419.00	\$ 83,336.96	\$ 27,778.99	6

(a) From IMPA bills for the months

APR 2015

MAY 2015

JUNE 2015

(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  
APR 2015 MAY 2015 JUNE 2015

LINE NO.	RATE SCHEDULE	APR 2015 (A)	MAY 2015 (B)	JUNE 2015 (C)	TOTAL (D)	AVERAGE (E)	LINE NO.
1	RATE - A	3,479,532	2,682,222	2,518,690	8,680,444	2,893,481	1
2	RATE - B	1,761,016	1,678,072	1,609,709	5,048,797	1,682,932	2
3	RATE - C	1,257,219	966,405	886,196	3,109,820	1,036,607	3
4	RATE - D	5,020,882	5,404,722	5,876,229	16,301,833	5,433,944	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>11,599,649</u>	<u>10,812,421</u>	<u>10,971,824</u>	<u>33,383,894</u>	<u>11,127,964</u>	10

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

DETERMINATION OF ACTUAL KW DEMAND ALLOCATION AND KWH ENERGY ALLOCATION FACTORS

	APR 2015		MAY 2015		JUNE 2015		
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	2,893,481	26.002%	33.919%	-23.341%	34.096%	26.138%	27.017%
RATE - B	1,682,932	15.123%	21.193%	-28.639%	23.147%	16.518%	17.074%
RATE - C	1,036,607	9.315%	11.801%	-21.063%	14.037%	11.080%	11.453%
RATE - D	5,433,944	48.831%	32.013%	52.536%	27.776%	42.368%	43.794%
FLAT RATES	81,000	0.728%	1.074%	-32.226%	0.944%	0.640%	0.661%
							0.000%
	11,127,964	100.000%	100.000%		100.000%	96.744%	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)





**IMPA**  
INDIANA MUNICIPAL POWER AGENCY

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

**Due Date:**  
**06/15/15**

**Amount Due:**  
**\$752,240.79**

Billing Period: April 1 to April 30, 2015

Invoice No: INV0005089  
Invoice Date: 05/14/15

Demand*	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	18,630	3,103	98.64%	04/01/15	800	76.73%
CP Billing Demand:	18,255	3,069	98.62%	04/23/15	800	78.31%
kvar at 97% PF:		4,575				
Reactive Demand:		-				

Energy*	kWh
Tipton #1:	4,698,219
Tipton #2:	3,893,711
Getrag Bank #1:	-
Getrag Bank #2:	36,219
Getrag Bank #3:	531,264
Getrag Bank #4:	1,133,364
Total Energy:	10,292,777

History	Apr 2015	Apr 2014	2015 YTD
Max Demand (kW):	18,630	18,932	25,750
CP Demand (kW):	18,255	18,220	25,750
Energy (kWh):	10,292,777	9,649,374	49,607,974
CP Load Factor:	78.31%	73.56%	
HDD/CDD (Indianapolis):	313/6	357/4	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 20.897 / kW x	18,255	\$ 381,474.74
ECA Demand Charge:	\$ 0.087 / kW x	18,255	\$ 1,588.19
Delivery Voltage Charge - Less than 34.5 kV:	\$ 1.481 / kW x	18,255	\$ 27,035.66
Total Demand Charges:			\$ 410,098.59
Base Energy Charge:	\$ 0.030781 / kWh x	10,292,777	\$ 316,821.97
ECA Energy Charge:	\$ 0.002460 / kWh x	10,292,777	\$ 25,320.23
Total Energy Charges:			\$ 342,142.20
Average Purchased Power Cost: 7.31 cents per kWh			Total Purchased Power Charges: \$ 752,240.79

Other Charges and Credits

**NET AMOUNT DUE: \$ 752,240.79**

\* Getrag: units adjusted by 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: 06/15/15

Questions, please call: 317-573-9955

Send payments to: Indiana Municipal Power Agency  
Dept. 78757, P.O. Box 78000, Detroit, MI 48278-0757

IMPA Delivery Point Details

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at TIPTON's Maximum Peak on 04/01/15 at 0800 EST				Demand at IMPA's Coincident Peak on 04/23/15 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	10,292,777						18,630	3,103	18,887	98.64%	18,255	3,069	18,511	98.62%
Tipton #1	4,698,219	04/23/15 at 0700 EST	9,082	710	9,110	99.70%	8,966	701	8,993	99.70%	8,813	768	8,846	99.62%
Tipton #2	3,893,711	04/06/15 at 1200 EST	7,354	1,613	7,529	97.68%	6,854	1,094	6,941	98.75%	6,576	806	6,625	99.26%
Getrag Bank #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Getrag Bank #2	36,219	04/15/15 at 0600 EST	86	36	93	92.24%	50	-	50	100.00%	58	7	58	99.28%
Getrag Bank #3	531,264	04/28/15 at 1600 EST	948	576	1,109	85.46%	804	540	969	83.01%	828	564	1,002	82.65%
Getrag Bank #4	1,133,364	04/29/15 at 0800 EST	2,028	960	2,244	90.38%	1,956	768	2,101	93.08%	1,980	924	2,185	90.62%



**IMPA**  
INDIANA MUNICIPAL POWER AGENCY

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

**Due Date:**  
**07/15/15**

**Amount Due:**  
**\$845,513.39**

Billing Period: May 1 to May 31, 2015  
Invoice No: INV0005184  
Invoice Date: 06/15/15

Demand*	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	21,718	5,592	96.84%	05/26/15	1300	69.43%
CP Billing Demand:	21,037	4,989	97.30%	05/29/15	1500	71.68%
kvar at 97% PF:		5,272				
Reactive Demand:		-				

Energy*	kWh
Tipton #1:	5,097,418
Tipton #2:	4,166,160
Getrag Bank #1:	-
Getrag Bank #2:	34,041
Getrag Bank #3:	590,004
Getrag Bank #4:	1,330,968
Total Energy:	11,218,591

History	May 2015	May 2014	2015 YTD
Max Demand (kW):	21,718	22,087	25,750
CP Demand (kW):	21,037	20,777	25,750
Energy (kWh):	11,218,591	10,423,994	60,826,565
CP Load Factor:	71.68%	67.43%	
HDD/CDD (Indianapolis):	79/140	153/100	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 20.897 / kW x	21,037	\$ 439,610.19
ECA Demand Charge:	\$ 0.087 / kW x	21,037	\$ 1,830.22
Delivery Voltage Charge - Less than 34.5 kV:	\$ 1.481 / kW x	21,037	\$ 31,155.80
Total Demand Charges:			\$ 472,596.21
Base Energy Charge:	\$ 0.030781 / kWh x	11,218,591	\$ 345,319.45
ECA Energy Charge:	\$ 0.002460 / kWh x	11,218,591	\$ 27,597.73
Total Energy Charges:			\$ 372,917.18
Average Purchased Power Cost: 7.54 cents per kWh			Total Purchased Power Charges: \$ 845,513.39

**Other Charges and Credits**

**NET AMOUNT DUE: \$ 845,513.39**

\* Getrag: units adjusted by 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: 07/15/15

Questions, please call: 317-573-9955

Send payments to: Indiana Municipal Power Agency  
Dept. 78757, P.O. Box 78000, Detroit, MI 48278-0757

IMPA Delivery Point Details

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at TIPTON's Maximum Peak on 05/26/15 at 1300 EST				Demand at IMPA's Coincident Peak on 05/29/15 at 1500 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	11,218,591						21,718	5,592	22,426	96.84%	21,037	4,989	21,620	97.30%
Tipton #1	5,097,418	05/26/15 at 1200 EST	10,291	1,920	10,469	98.30%	10,186	1,968	10,374	98.18%	9,821	1,565	9,945	98.75%
Tipton #2	4,166,160	05/28/15 at 1500 EST	8,352	1,987	8,585	97.28%	8,314	1,997	8,550	97.23%	8,170	1,958	8,401	97.25%
Getrag Bank #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Getrag Bank #2	34,041	05/26/15 at 1100 EST	86	29	91	94.76%	50	7	50	99.03%	58	14	60	97.21%
Getrag Bank #3	590,004	05/08/15 at 1600 EST	1,008	600	1,173	85.93%	876	588	1,055	83.03%	816	516	965	84.52%
Getrag Bank #4	1,330,968	05/18/15 at 1500 EST	2,568	1,368	2,910	88.26%	2,292	1,032	2,514	91.18%	2,172	936	2,365	91.84%





**IMPA**  
INDIANA MUNICIPAL POWER AGENCY

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

**Due Date:**  
**08/13/15**

**Amount Due:**  
**\$948,109.10**

Billing Period: June 1 to 30, 2015

Invoice No: INV0005323  
Invoice Date: 07/14/15

Demand*	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	25,329	6,017	97.29%	06/22/15	1400	67.80%
CP Billing Demand:	23,897	6,175	96.82%	06/11/15	1600	71.87%
kvar at 97% PF:		5,989				
Reactive Demand:		186				

Energy*	kWh
Tipton #1:	5,658,911
Tipton #2:	4,532,854
Getrag Bank #1:	-
Getrag Bank #2:	34,561
Getrag Bank #3:	586,416
Getrag Bank #4:	1,552,704
Total Energy:	12,365,446

History	Jun 2015	Jun 2014	2015 YTD
Max Demand (kW):	25,329	24,983	25,750
CP Demand (kW):	23,897	24,701	25,750
Energy (kWh):	12,365,446	11,637,934	73,192,011
CP Load Factor:	71.87%	65.44%	
HDD/CDD (Indianapolis):	16/251	2/238	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 20.897 / kW x	23,897	\$ 499,375.61
ECA Demand Charge:	\$ 0.087 / kW x	23,897	\$ 2,079.04
Delivery Voltage Charge - Less than 34.5 kV:	\$ 1.481 / kW x	23,897	\$ 35,391.46
Reactive Demand Charge:	\$ 1.200 / kvar x	186	\$ 223.20
Total Demand Charges:			\$ 537,069.31
Base Energy Charge:	\$ 0.030781 / kWh x	12,365,446	\$ 380,620.79
ECA Energy Charge:	\$ 0.002460 / kWh x	12,365,446	\$ 30,419.00
Total Energy Charges:			\$ 411,039.79
Average Purchased Power Cost: 7.67 cents per kWh			Total Purchased Power Charges: \$ 948,109.10

**Other Charges and Credits**

**NET AMOUNT DUE: \$ 948,109.10**

\* Getrag: units adjusted by 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: 08/13/15

Questions, please call: 317-573-9955

Send payments to: Indiana Municipal Power Agency  
Dept. 78757, P.O. Box 78000, Detroit, MI 48278-0757



IMPA Delivery Point Details

Tipton Municipal Utilities  
Billing Period: June 1, 2015 to June 30, 2015

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at TIPTON's Maximum Peak on 06/22/15 at 1400 EST				Demand at IMPA's Coincident Peak on 06/11/15 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
<b>TOTAL</b>	<b>12,365,446</b>						<b>25,329</b>	<b>6,017</b>	<b>26,034</b>	<b>97.29%</b>	<b>23,897</b>	<b>6,175</b>	<b>24,682</b>	<b>96.82%</b>
Tipton #1	5,658,911	06/22/15 at 1400 EST	11,923	1,373	12,002	99.34%	11,923	1,373	12,002	99.34%	11,069	2,131	11,272	98.20%
Tipton #2	4,532,854	06/22/15 at 1500 EST	10,070	2,755	10,440	96.46%	10,003	2,765	10,378	96.39%	9,322	2,285	9,598	97.12%
Getrag Bank #1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Getrag Bank #2	34,561	06/05/15 at 1400 EST	86	22	89	96.88%	43	7	44	98.70%	50	7	50	99.03%
Getrag Bank #3	586,416	06/10/15 at 1600 EST	1,008	624	1,186	85.03%	828	564	1,002	82.65%	972	576	1,130	86.03%
Getrag Bank #4	1,552,704	06/18/15 at 1400 EST	2,736	1,380	3,064	89.29%	2,532	1,308	2,850	88.85%	2,484	1,176	2,748	90.38%

**INDIANA MUNICIPAL POWER AGENCY  
ECA ESTIMATES FOR OCTOBER, NOVEMBER and DECEMBER  
2015 - 4TH QUARTER**

	OCT	NOV	DEC	OCT	NOV	DEC
	<u>\$/kW-month</u>			<u>\$/kWh</u>		
IMPA's Energy Cost Adjustment	0.087	0.087	0.087	0.002460	0.002460	0.002460
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for	<u>kW</u>			<u>kWh</u>		
<b>TIPTON</b>	20,757	20,338	22,614	11,999,004	11,566,438	12,800,870