



TIPTON MUNICIPAL UTILITIES

Received: November 29, 2016

IURC 30-Day Filing No.: 50014

Indiana Utility Regulatory Commission

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Via Electronic Filing – 30 Day Filings – Electric

November 15, 2016

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 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

TIPTON MUNICIPAL ELECTRIC UTILITY

ENERGY COST ADJUSTMENT TRACKING FACTOR
1ST QUARTER, 2017

BILLING AND USAGE PERIOD: JANUARY THROUGH MARCH 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 | \$ 0.036236 Per Kwh |
| RATE - B | 0.038072 Per Kwh |
| RATE - C | 0.039940 Per Kwh |
| RATE - D | 0.034837 Per Kwh |

MONTH'S EFFECTIVE:

JAN 2017 FEB 2017 MAR 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 | \$ (0.000231) Per Kwh |
| RATE - B | \$ (0.000049) Per Kwh |
| RATE - C | \$ (0.000290) Per Kwh |
| RATE - D | \$ 0.001395 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
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 21st day of Nov., 2016 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
Susan Munson, Notary Public

My County of Residence: Tipton

My Commission expires:

May 8, 2019

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

QUARTERLY ENERGY COST ADJUSTMENT FACTOR

On January 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 | \$ | (0.000231) / Kwh |
| RATE - B | \$ | (0.000049) / Kwh |
| RATE - C | \$ | (0.000290) / Kwh |
| RATE - D | \$ | 0.001395 / 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 (\$0.23) 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 (\$0.16). This change stated as a percentage of the monthly bill will vary from individual to individual depending upon the actual amount of energy consumed.

DETERMINATION OF RATE ADJUSTMENT FOR THE THREE MONTHS OF:
JAN 2017 FEB 2017 MAR 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) | 11.724 | 0.013394 | 5 |
| 6 | PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (e) | + 0.000 | 0.000000 | 6 |
| 7 | ESTIMATED TOTAL RATE ADJUSTMENT | 11.724 | 0.013394 | 7 |
| 8 | ESTIMATED AVERAGE BILLING UNITS (f) | * 23,145 | 12,276,715 | 8 |
| 9 | ESTIMATED INCREMENTAL CHANGE IN PURCHASED POWER COST (g) | \$ 271,351.98 | \$ 164,434.32 | 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)

= 97.66%

96.29%

(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 2017 FEB 2017 MAR 2017

| LINE NO. | RATE SCHEDULE | KW DEMAND ALLOCATOR | KWH ENERGY ALLOCATOR | ALLOCATED ESTIMATED KWH PURCHASED (b) | ALLOCATED ESTIMATED KWH PURCHASED (c) | INCREMENTAL CHANGE IN PURCHASED POWER COST | | | LINE NO. |
|----------|---------------|---------------------|----------------------|---------------------------------------|---------------------------------------|--|----------------------|----------------------|----------|
| | | (%) (a) (A) | (%) (a) (B) | (C) | (D) | ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX | TOTAL (G) | | |
| 1 | RATE - A | 34.096 | 33.919 | 7,891.5 | 4,164,139 | \$ 92,520.17 | \$ 55,774.48 | \$ 148,294.65 | 1 |
| 2 | RATE - B | 23.147 | 21.193 | 5,357.4 | 2,601,804 | 62,809.84 | 34,848.57 | 97,658.41 | 2 |
| 3 | RATE - C | 14.037 | 11.801 | 3,248.9 | 1,448,775 | 38,089.68 | 19,404.89 | 57,494.57 | 3 |
| 4 | RATE - D | 27.776 | 32.013 | 6,428.8 | 3,930,145 | 75,370.73 | 52,640.36 | 128,011.09 | 4 |
| 5 | FLAT RATES | 0.944 | 1.074 | 218.5 | 131,852 | 2,561.56 | 1,766.02 | 4,327.58 | 5 |
| 6 | | | | | | | | | 6 |
| 7 | | | | | | | | | 7 |
| 8 | | | | | | | | | 8 |
| 9 | | | | | | | | | 9 |
| 10 | TOTAL | <u>100.000</u> | <u>100.000</u> | <u>23,145.0</u> | <u>12,276,715</u> | <u>\$ 271,351.98</u> | <u>\$ 164,434.32</u> | <u>\$ 435,786.30</u> | 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 2017 FEB 2017 MAR 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 (A) | ENERGY (B) | DEMAND (b) (C) | ENERGY (c) (D) | TOTAL (E) | DEMAND (F) | ENERGY (G) | TOTAL (H) | |
| 1 | RATE - A | \$ 1,568.00 | \$ 1,028.77 | \$ 94,088.17 | \$ 56,803.25 | \$ 150,891.42 | \$ 0.022595 | \$ 0.013641 | \$ 0.036236 | 1 |
| 2 | RATE - B | 894.71 | 502.36 | 63,704.55 | 35,350.93 | 99,055.48 | 0.024485 | 0.013587 | 0.038072 | 2 |
| 3 | RATE - C | 264.50 | 105.57 | 38,354.18 | 19,510.46 | 57,864.64 | 0.026474 | 0.013467 | 0.039940 | 3 |
| 4 | RATE - D | 5,533.89 | 3,371.09 | 80,904.62 | 56,011.45 | 136,916.06 | 0.020586 | 0.014252 | 0.034837 | 4 |
| 5 | FLAT RATES | 21.23 | 7.76 | 2,582.79 | 1,773.78 | 4,356.57 | 0.019589 | 0.013453 | 0.033041 | 5 |
| 6 | | | | | | | | | | 6 |
| 7 | | | | | | | | | | 7 |
| 8 | | | | | | | | | | 8 |
| 9 | | | | | | | | | | 9 |
| 10 | TOTAL | \$ 8,282.33 | \$ 5,015.54 | \$ 279,634.31 | \$ 169,449.86 | \$ 449,084.17 | \$ 0.022778 | \$ 0.013803 | \$ 0.036580 | 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

96.29%

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><u>\$10.873</u></u> | <u><u>\$0.014672</u></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:
JAN 2017 FEB 2017 MAR 2017

| LINE NO. | DESCRIPTION | JAN 2017 (A) | FEB 2017 (B) | MAR 2017 (C) | TOTAL (D) | ESTIMATED 3 MONTH AVERAGE (E) | LINE NO. |
|--|--------------------|-----------------|-----------------|-----------------|----------------|----------------------------------|----------|
| PURCHASED POWER FROM IMPA | | | | | | | |
| 1 | KW DEMAND | 24,714 | 23,469 | 21,253 | 69,436 | 23,145 | 1 |
| 2 | KWH ENERGY | 13,719,144 | 11,896,985 | 11,214,017 | 36,830,146 | 12,276,715 | 2 |
| INCREMENTAL PURCHASED POWER COSTS | | | | | | | |
| DEMAND RELATED | | | | | | | |
| 3 | ECA FACTOR PER KW | \$ 0.416 | \$ 0.416 | \$ 0.416 | \$ 0.416 | \$ 0.416 | 3 |
| 4 | CHARGE (a) | \$ 10,281.02 | \$ 9,763.10 | \$ 8,841.25 | \$ 28,885.38 | \$ 9,628.46 | 4 |
| ENERGY RELATED | | | | | | | |
| 5 | ECA FACTOR PER KWH | \$ (0.001775) | \$ (0.001775) | \$ (0.001775) | \$ (0.001775) | \$ (0.001775) | 5 |
| 6 | CHARGE (b) | \$ (24,351.48) | \$ (21,117.15) | \$ (19,904.88) | \$ (65,373.51) | \$ (21,791.17) | 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 2016 AUG 2016 SEPT 2016

| LINE NO. | DESCRIPTION | DEMAND RELATED | ENERGY RELATED | LINE NO. |
|----------|---|----------------------|----------------------|----------|
| | (A) (B) | | | |
| 1 | INCREMENTAL CHANGE IN BASE RATE (a) | \$ 10,2410 | \$ 0.014632 | 1 |
| 2 | ACTUAL SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b) | + | | 2 |
| 3 | ACTUAL PURCHASED POWER ENERGY COST ADJUSTMENT (c) | + 0.038 | 0.001274 | 3 |
| 4 | PLUS TRACKING FACTOR EFFECTIVE PRIOR TO IMPA MEMBERSHIP (d) | + 0.000 | 0.000000 | 4 |
| 5 | TOTAL RATE ADJUSTMENT (e) | 10,279 | \$ 0.015906 | 5 |
| 6 | ACTUAL AVERAGE BILLING UNITS (f) | * 27,343 | <u>13,395,314</u> | 6 |
| | LINE 5 * LINE 6 OTHER CHARGES | \$ 281,058.70 | \$ 213,065.86 | |
| 7 | ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (g) | <u>\$ 281,058.70</u> | <u>\$ 213,065.86</u> | 7 |

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

| | JULY 2016 | AUG 2016 | SEPT 2016 |
|--------------------------------|------------|----------|--------------------------------|
| Base Rate Effective 01/01/2016 | | minus | Base Rate Effective 01/01/2004 |
| Demand | \$23.723 | | \$13.482000 |
| Energy | \$0.030525 | | \$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 2016 AUG 2016 SEPT 2016

| 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) | (C) | (D) | DEMAND (d) | ENERGY (e) | TOTAL (G) | |
| 1 | RATE - A | 30.206 | 29.121 | 8,259.3 | 3,900,785 | \$ 84,896.95 | \$ 62,045.88 | \$ 146,942.83 | 1 |
| 2 | RATE - B | 18.725 | 16.614 | 5,119.9 | 2,225,500 | \$ 52,627.12 | \$ 35,398.81 | \$ 88,025.93 | 2 |
| 3 | RATE - C | 9.155 | 7.458 | 2,503.2 | 999,088 | 25,729.95 | 15,891.50 | 41,621.45 | 3 |
| 4 | RATE - D | 41.344 | 46.178 | 11,304.7 | 6,185,677 | 116,201.10 | 98,389.37 | 214,590.47 | 4 |
| 5 | FLAT RATES | 0.571 | 0.629 | 156.0 | 84,264 | 1,603.57 | 1,340.30 | 2,943.87 | 5 |
| 6 | | | | | | | | | 6 |
| 7 | | | | | | | | | 7 |
| 8 | | | | | | | | | 8 |
| 9 | | | | | | | | | 9 |
| 10 | TOTAL | <u>100.000</u> | <u>100.000</u> | <u>27,343.0</u> | <u>13,395,314</u> | <u>\$ 281,058.70</u> | <u>\$ 213,065.86</u> | <u>\$ 494,124.56</u> | 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

JULY 2016 AUG 2016 SEPT 2016

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

RECONCILIATION OF VARIANCES FOR THE THREE MONTHS OF:
 JULY 2016 AUG 2016 SEPT 2016

| 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 | | LINE NO. |
|----------|---------------|-------------------------------------|---|---|--|---|---|-----------------------------|----------|
| | | | | | | | JULY 2016 (F) | ENERGY (g) JULY 2016 (G) | |
| 1 | RATE - A | 3,749,694 | 0.022049 | 0.016059 | \$ 81,519.52 | \$ 59,373.31 | \$ (1,867.60) | \$ (1,681.97) | 1 |
| 2 | RATE - B | 2,139,299 | 0.024172 | 0.016114 | 50,987.18 | 33,990.05 | (778.42) | (925.04) | 2 |
| 3 | RATE - C | 960,390 | 0.026094 | 0.016068 | 24,709.57 | 15,215.50 | (765.69) | (574.35) | 3 |
| 4 | RATE - D | 5,946,084 | 0.018107 | 0.015780 | 106,158.42 | 92,515.60 | (4,714.10) | (2,627.75) | 4 |
| 5 | FLAT RATES | 81,000 | 0.019512 | 0.016145 | 1,558.35 | 1,289.44 | (24.78) | (43.39) | 5 |
| 6 | | | | | | | | | 6 |
| 7 | | | | | | | | | 7 |
| 8 | | | | | | | | | 8 |
| 9 | | | | | | | | | 9 |
| 10 | TOTAL | <u>12,876,467</u> | | | <u>\$ 264,933.04</u> | <u>\$ 202,383.90</u> | <u>\$ (8,150.59)</u> | <u>\$ (5,852.50)</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

JULY 2016 AUG 2016 SEPT 2016

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

JULY 2016 AUG 2016 SEPT 2016

(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 2016 AUG 2016 SEPT 2016

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

JULY 2016 AUG 2016 SEPT 2016

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

| 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 | \$ 83,387.12 | \$ 61,055.28 | \$ 144,442.40 | \$ 1,509.83 | \$ 990.60 | \$ 2,500.43 | 1 |
| 2 | RATE - B | 51,765.60 | 34,915.09 | 86,680.69 | 861.52 | 483.72 | 1,345.24 | 2 |
| 3 | RATE - C | 25,475.26 | 15,789.85 | 41,265.11 | 254.69 | 101.65 | 356.34 | 3 |
| 4 | RATE - D | 110,872.52 | 95,143.35 | 206,015.87 | 5,328.58 | 3,246.02 | 8,574.60 | 4 |
| 5 | FLAT RATES | 1,583.13 | 1,332.83 | 2,915.96 | 20.44 | 7.47 | 27.91 | 5 |
| 6 | | | | | | | | 6 |
| 7 | | | | | | | | 7 |
| 8 | | | | | | | | 8 |
| 9 | | | | | | | | 9 |
| 10 | TOTAL | \$ 273,083.63 | \$ 208,236.40 | \$ 481,320.03 | \$ 7,975.06 | \$ 4,829.46 | \$ 12,804.52 | 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 2016 AUG 2016 SEPT 2016

| LINE NO. | DESCRIPTION | JULY 2016 | AUG 2016 | SEPT 2016 | TOTAL (D) | ACTUAL 3 MONTH AVERAGE | LINE NO. |
|-----------------------------------|------------------------|--------------|--------------|--------------|--------------|------------------------------|-------------|
| | | (A) | (B) | (C) | | (E) | |
| PURCHASED POWER FROM IMPA | | | | | | | |
| 1 | KW DEMAND (a) | 27,074 | 26,996 | 27,960 | 82,030 | 27,343 | 1 |
| 2 | KWH ENERGY (a) | 13,146,927 | 14,180,183 | 12,858,831 | 40,185,941 | 13,395,314 | 2 |
| INCREMENTAL PURCHASED POWER COSTS | | | | | | | |
| DEMAND RELATED | | | | | | | |
| 3 | ECA FACTOR PER KW (a) | \$ 0.038 | \$ 0.038 | \$ 0.038 | \$ 0.038 | \$ 0.038 | 3 |
| 4 | CHARGE (b) | \$ 1,028.81 | \$ 1,025.85 | \$ 1,062.48 | \$ 3,117.14 | \$ 1,039.05 | 4 |
| ENERGY RELATED | | | | | | | |
| 5 | ECA FACTOR PER KWH (a) | \$ 0.001274 | \$ 0.001274 | \$ 0.001274 | \$ 0.001274 | \$ 0.001274 | 5 |
| 6 | CHARGE (c) | \$ 16,749.18 | \$ 18,065.55 | \$ 16,382.15 | \$ 51,196.89 | \$ 17,065.63 | 6 |

- (a) From IMPA bills for the months
- (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 2016 AUG 2016 SEPT 2016

| LINE NO. | RATE SCHEDULE | JULY 2016 (A) | AUG 2016 (B) | SEPT 2016 (C) | TOTAL (D) | AVERAGE (E) | LINE NO. |
|----------|---------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------|
| 1 | RATE - A | 3,250,502 | 3,913,720 | 4,084,859 | 11,249,081 | 3,749,694 | 1 |
| 2 | RATE - B | 1,956,806 | 2,194,996 | 2,266,094 | 6,417,896 | 2,139,299 | 2 |
| 3 | RATE - C | 891,301 | 923,472 | 1,066,398 | 3,881,171 | 960,390 | 3 |
| 4 | RATE - D | 5,872,863 | 5,708,766 | 6,256,622 | 17,838,251 | 5,946,084 | 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>12,052,472</u> | <u>12,821,954</u> | <u>13,754,973</u> | <u>38,629,399</u> | <u>12,876,467</u> | 10 |

TIPTON (INDIANA) MUNICIPAL ELECTRIC UTILITY

DETERMINATION OF ACTUAL KW DEMAND ALLOCATION AND KWH ENERGY ALLOCATION FACTORS

| Rate Schedule | JULY 2016 | | AUG 2016 | | SEPT 2016 | | |
|---------------|---------------|------------------|--------------------|----------|-------------------|------------------|------------------------------|
| | 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 | 3,749,694 | 29.121% | 33.919% | -14.147% | 34.096% | 29.272% | 30.206% |
| RATE - B | 2,139,299 | 16.614% | 21.193% | -21.606% | 23.147% | 18.146% | 18.725% |
| RATE - C | 960,390 | 7.458% | 11.801% | -36.798% | 14.037% | 8.872% | 9.155% |
| RATE - D | 5,946,084 | 46.178% | 32.013% | 44.247% | 27.776% | 40.066% | 41.344% |
| FLAT RATES | 81,000 | 0.629% | 1.074% | -41.429% | 0.944% | 0.553% | 0.571% |
| | | | | | | | 0.000% |
| | 12,876,467 | 100.000% | 100.000% | | 100.000% | 96.909% | 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
2017 - 1ST QUARTER

| | JAN | FEB | MAR | JAN | FEB | MAR |
|--|-------------|--------|--------|------------|------------|------------|
| | \$/kW-month | | | \$/kWh | | |
| 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 | | | | | | |
| TIPTON | 24,714 | 23,469 | 21,253 | 13,719,144 | 11,896,985 | 11,214,017 |



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

Due Date:
09/14/16

Amount Due:
\$1,061,364.44

Billing Period: July 1 to 31, 2016

Invoice No: INV0006474
Invoice Date: 08/15/16

| Demand* | kW | kvar | Power Factor | Date | Time (EST) | Load Factor |
|--------------------|--------|-------|--------------|----------|------------|-------------|
| Maximum Demand: | 27,074 | 6,543 | 97.20% | 07/21/16 | 1500 | 65.27% |
| CP Billing Demand: | 27,074 | 6,543 | 97.20% | 07/21/16 | 1500 | 65.27% |
| kvar at 97% PF: | | 6,785 | | | | |
| Reactive Demand: | | - | | | | |

| Energy* | kWh |
|--------------------|------------|
| Getrag Banks #1-4: | 2,016,284 |
| Tipton #1: | 6,477,754 |
| Tipton #2: | 4,652,729 |
| Tipton Dist. Gen.: | 160 |
| Total Energy: | 13,146,927 |

| History | Jul 2016 | Jul 2015 | 2016 YTD |
|-------------------------|------------|------------|------------|
| Max Demand (kW): | 27,074 | 27,257 | 27,074 |
| CP Demand (kW): | 27,074 | 26,978 | 27,074 |
| Energy (kWh): | 13,146,927 | 13,051,051 | 84,410,955 |
| CP Load Factor: | 65.27% | 65.02% | |
| HDD/CDD (Indianapolis): | 2/368 | 0/303 | |

| Purchased Power Charges | Rate | Units | Charge |
|--|---------------------|--|---------------|
| Base Demand Charge: | \$ 22.230 / kW x | 27,074 | \$ 601,855.02 |
| ECA Demand Charge: | \$ 0.038 / kW x | 27,074 | \$ 1,028.81 |
| Delivery Voltage Charge - Less than 34.5 kV: | \$ 1.493 / kW x | 27,074 | \$ 40,421.48 |
| Total Demand Charges: | | | \$ 643,305.31 |
| Base Energy Charge: | \$ 0.030525 / kWh x | 13,146,927 | \$ 401,309.95 |
| ECA Energy Charge: | \$ 0.001274 / kWh x | 13,146,927 | \$ 16,749.18 |
| Total Energy Charges: | | | \$ 418,059.13 |
| Average Purchased Power Cost: 8.07 cents per kWh | | Total Purchased Power Charges: \$ 1,061,364.44 | |

Other Charges and Credits

NET AMOUNT DUE: \$ 1,061,364.44

* 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: 09/14/16
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: July 1, 2016 to July 31, 2016

| Delivery Point | Energy kWh | Individual Substation Maximum Demand | | | | | Demand at TIPTON's Maximum Peak on 07/21/16 at 1500 EST | | | | | Demand at IMPA's Coincident Peak on 07/21/16 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 | 13,146,927 | | | | | | 27,074 | 6,543 | 27,853 | 97.20% | 27,074 | 6,543 | 27,853 | 97.20% | | |
| Tipton Dist. Gen. | 160 | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Tipton #1 | 6,477,754 | 07/21/16 at 1500 EST | 13,517 | 2,016 | 13,667 | 98.91% | 13,517 | 2,016 | 13,667 | 98.91% | 13,517 | 2,016 | 13,667 | 98.91% | | |
| Tipton #2 | 4,652,729 | 07/12/16 at 1400 EST | 10,109 | 2,467 | 10,406 | 97.15% | 10,051 | 2,602 | 10,382 | 96.81% | 10,051 | 2,602 | 10,382 | 96.81% | | |
| Getrag Bank #1 | 29,698 | 07/28/16 at 0900 EST | 79 | 29 | 84 | 93.87% | 36 | 7 | 37 | 98.16% | 36 | 7 | 37 | 98.16% | | |
| Getrag Bank #2 | 65,290 | 07/12/16 at 1500 EST | 310 | 65 | 317 | 97.87% | 194 | 94 | 216 | 89.99% | 194 | 94 | 216 | 89.99% | | |
| Getrag Bank #3 | 532,932 | 07/18/16 at 1600 EST | 1,020 | 624 | 1,196 | 85.30% | 804 | 564 | 982 | 81.87% | 804 | 564 | 982 | 81.87% | | |
| Getrag Bank #4 | 1,388,364 | 07/21/16 at 2100 EST | 2,496 | 1,308 | 2,818 | 88.57% | 2,472 | 1,260 | 2,775 | 89.09% | 2,472 | 1,260 | 2,775 | 89.09% | | |



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

Due Date:
10/14/16

Amount Due:
\$1,092,367.60

Billing Period: August 1 to 31, 2016

Invoice No: INV0006550
Invoice Date: 09/14/16

| Demand* | kW | kvar | Power Factor | Date | Time (EST) | Load Factor |
|--------------------|--------|-------|--------------|----------|------------|-------------|
| Maximum Demand: | 27,324 | 6,762 | 97.07% | 08/11/16 | 1500 | 69.75% |
| CP Billing Demand: | 26,996 | 6,485 | 97.23% | 08/11/16 | 1600 | 70.60% |
| kvar at 97% PF: | | 6,766 | | | | |
| Reactive Demand: | - | | | | | |

| Energy* | kWh |
|--------------------|------------|
| Getrag Banks #1-4: | 2,236,870 |
| Tipton #1: | 6,900,542 |
| Tipton #2: | 5,042,771 |
| Tipton Dist. Gen.: | - |
| Total Energy: | 14,180,183 |

| History | Aug 2016 | Aug 2015 | 2016 YTD |
|-------------------------|------------|------------|------------|
| Max Demand (kW): | 27,324 | 25,719 | 27,324 |
| CP Demand (kW): | 26,996 | 24,225 | 27,074 |
| Energy (kWh): | 14,180,183 | 13,244,845 | 98,591,138 |
| CP Load Factor: | 70.60% | 73.49% | |
| HDD/CDD (Indianapolis): | 0/416 | 2/251 | |

| Purchased Power Charges | Rate | Units | Charge |
|--|---------------------|------------|--|
| Base Demand Charge: | \$ 22.230 / kW x | 26,996 | \$ 600,121.08 |
| ECA Demand Charge: | \$ 0.038 / kW x | 26,996 | \$ 1,025.85 |
| Delivery Voltage Charge - Less than 34.5 kV: | \$ 1.493 / kW x | 26,996 | \$ 40,305.03 |
| | | | Total Demand Charges: \$ 641,451.96 |
| Base Energy Charge: | \$ 0.030525 / kWh x | 14,180,183 | \$ 432,850.09 |
| ECA Energy Charge: | \$ 0.001274 / kWh x | 14,180,183 | \$ 18,065.55 |
| | | | Total Energy Charges: \$ 450,915.64 |
| Average Purchased Power Cost: 7.70 cents per kWh | | | Total Purchased Power Charges: \$ 1,092,367.60 |

Other Charges and Credits

NET AMOUNT DUE: \$ 1,092,367.60

* 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: 10/14/16

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: August 1, 2016 to August 31, 2016

| Delivery Point | Energy kWh | Individual Substation Maximum Demand | | | | | Demand at TIPTON's Maximum Peak on 08/11/16 at 1500 EST | | | | | Demand at IMPA's Coincident Peak on 08/11/16 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 | 14,180,183 | | | | | | 27,324 | 6,762 | 28,148 | 97.07% | 26,996 | 6,485 | 27,764 | 97.23% | | |
| Tipton Dist. Gen. | | | | | | | | | | | | | | | | |
| Tipton #1 | 6,900,542 | 08/11/16 at 1600 EST | 13,488 | 1,814 | 13,609 | 99.11% | 13,382 | 1,882 | 13,514 | 99.03% | 13,488 | 1,814 | 13,609 | 99.11% | | |
| Tipton #2 | 5,042,771 | 08/10/16 at 1500 EST | 10,291 | 2,784 | 10,661 | 96.53% | 10,080 | 2,736 | 10,445 | 96.51% | 9,725 | 2,592 | 10,064 | 96.63% | | |
| Getrag Bank #1 | 29,043 | 08/10/16 at 1600 EST | 72 | 22 | 75 | 95.64% | 58 | 22 | 62 | 93.50% | 58 | 22 | 62 | 93.50% | | |
| Getrag Bank #2 | 103,639 | 08/02/16 at 1500 EST | 216 | 86 | 232 | 92.91% | 216 | 94 | 236 | 91.69% | 209 | 101 | 232 | 90.04% | | |
| Getrag Bank #3 | 578,496 | 08/10/16 at 1600 EST | 1,032 | 612 | 1,200 | 86.01% | 912 | 600 | 1,092 | 83.54% | 972 | 600 | 1,142 | 85.09% | | |
| Getrag Bank #4 | 1,525,692 | 08/10/16 at 1500 EST | 2,676 | 1,452 | 3,045 | 87.89% | 2,676 | 1,428 | 3,033 | 88.22% | 2,544 | 1,356 | 2,883 | 88.25% | | |



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

Due Date:
11/14/16

Amount Due:
\$1,073,255.53

Billing Period: September 1 to 30, 2016

Invoice No: INV0006627

Invoice Date: 10/14/16

| Demand* | kW | kvar | Power Factor | Date | Time (EST) | Load Factor |
|--------------------|--------|-------|--------------|----------|------------|-------------|
| Maximum Demand: | 27,960 | 6,668 | 97.27% | 09/07/16 | 1500 | 63.88% |
| CP Billing Demand: | 27,960 | 6,668 | 97.27% | 09/07/16 | 1500 | 63.88% |
| kvar at 97% PF: | | 7,007 | | | | |
| Reactive Demand: | | - | | | | |

| Energy* | kWh | History | Sep 2016 | Sep 2015 | 2016 YTD |
|--------------------|------------|-------------------------|------------|------------|-------------|
| Getrag Banks #1-4: | 2,082,253 | Max Demand (kW): | 27,960 | 27,437 | 27,960 |
| Tipton #1: | 5,837,493 | CP Demand (kW): | 27,960 | 26,395 | 27,960 |
| Tipton #2: | 4,939,085 | Energy (kWh): | 12,858,831 | 12,714,660 | 111,449,969 |
| Tipton Dist. Gen.: | - | CP Load Factor: | 63.88% | 66.90% | |
| | | HDD/CDD (Indianapolis): | 18/213 | 19/191 | |
| Total Energy: | 12,858,831 | | | | |

| Purchased Power Charges | Rate | Units | Charge |
|--|---------------------|------------|--|
| Base Demand Charge: | \$ 22.230 / kW x | 27,960 | \$ 621,550.80 |
| ECA Demand Charge: | \$ 0.038 / kW x | 27,960 | \$ 1,062.48 |
| Delivery Voltage Charge - Less than 34.5 kV: | \$ 1.493 / kW x | 27,960 | \$ 41,744.28 |
| | | | Total Demand Charges: \$ 664,357.56 |
| Base Energy Charge: | \$ 0.030525 / kWh x | 12,858,831 | \$ 392,515.82 |
| ECA Energy Charge: | \$ 0.001274 / kWh x | 12,858,831 | \$ 16,382.15 |
| | | | Total Energy Charges: \$ 408,897.97 |
| Average Purchased Power Cost: 8.35 cents per kWh | | | Total Purchased Power Charges: \$ 1,073,255.53 |

| Other Charges and Credits |
|---------------------------|
| |

NET AMOUNT DUE: \$ 1,073,255.53

* 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: 11/14/16

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: September 1, 2016 to September 30, 2016

| Delivery Point | Energy kWh | Individual Substation Maximum Demand | | | | | Demand at TIPTON's Maximum Peak on 09/07/16 at 1500 EST | | | | | Demand at IMPA's Coincident Peak on 09/07/16 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 | 12,858,831 | | | | | | 27,960 | 6,668 | 28,744 | 97.27% | 27,960 | 6,668 | 28,744 | 97.27% | | |
| Tipton Dist. Gen. | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Tipton #1 | 5,837,493 | 09/07/16 at 1500 EST | 13,978 | 2,218 | 14,153 | 98.76% | 13,978 | 2,218 | 14,153 | 98.76% | 13,978 | 2,218 | 14,153 | 98.76% | | |
| Tipton #2 | 4,939,085 | 09/23/16 at 1500 EST | 10,666 | 3,274 | 11,157 | 95.60% | 10,339 | 2,506 | 10,638 | 97.19% | 10,339 | 2,506 | 10,638 | 97.19% | | |
| Getrag Bank #1 | 27,497 | 09/06/16 at 1400 EST | 86 | 22 | 89 | 96.88% | 72 | 22 | 75 | 95.64% | 72 | 22 | 75 | 95.64% | | |
| Getrag Bank #2 | 84,572 | 09/06/16 at 1600 EST | 202 | 79 | 217 | 93.13% | 187 | 86 | 206 | 90.85% | 187 | 86 | 206 | 90.85% | | |
| Getrag Bank #3 | 571,764 | 09/13/16 at 1600 EST | 1,044 | 648 | 1,229 | 84.96% | 900 | 612 | 1,088 | 82.69% | 900 | 612 | 1,088 | 82.69% | | |
| Getrag Bank #4 | 1,398,420 | 09/07/16 at 2100 EST | 2,508 | 1,296 | 2,823 | 88.84% | 2,484 | 1,224 | 2,769 | 89.70% | 2,484 | 1,224 | 2,769 | 89.70% | | |

**Table 5 - September 30, 2016
2017 RATE STUDY
Proposed Demand and Energy Rates by Member**

| LINE NO. | MEMBER | IMPA BASE RATE | | DELIVERY VOLTAGE ADJUSTMENT | | ENERGY COST ADJ. | | TOTAL DEMAND \$/kW-Mo | REACTIVE DEMAND \$/kvar-Mo | TOTAL ENERGY RATE Cents/kWh |
|-------------|-------------------|--------------------|------------------|--------------------------------|---------------------|--------------------|------------------|-----------------------------|----------------------------------|--------------------------------------|
| | | DEMAND \$/kW-Mo | ENERGY \$/kWh | DEMAND \$/kW-Mo | ENERGY Cents/kWh | DEMAND \$/kW-Mo | ENERGY \$/kWh | | | |
| 1 | ADVANCE | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 2 | ANDERSON | 22.965 | 0.030565 | 0.458 | | 0.416 | -0.001775 | 23.839 | 1.200 | 0.028790 |
| 3 | ARGOS | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 4 | BAINBRIDGE | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 5 | BARGERSVILLE | 22.965 | 0.030565 | 1.260 | | 0.416 | -0.001775 | 24.641 | 1.200 | 0.028790 |
| 6 | BLANCHESTER OH | 22.965 | 0.030565 | 1.197 | | 0.416 | -0.001775 | 24.578 | 1.200 | 0.028790 |
| 7 | BREMEN | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 8 | BROOKLYN | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 9 | BROOKSTON | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 10 | CENTERVILLE | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 11 | CHALMERS | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 12 | COATESVILLE | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 13 | COLUMBIA CITY | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 14 | COVINGTON | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 15 | CRAWFORDSVILLE | 22.965 | 0.030565 | 0.000 | | 0.416 | -0.001775 | 23.381 | 1.200 | 0.028790 |
| 16 | DARLINGTON | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 17 | DUBLIN | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 18 | DUNREITH | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 19 | EDINBURGH | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 20 | ETNA GREEN | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 21 | FLORA | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 22 | FRANKFORT | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 23 | FRANKTON | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 24 | GAS CITY | 22.965 | 0.030565 | 0.000 | | 0.416 | -0.001775 | 23.381 | 1.200 | 0.028790 |
| 25 | GREENDALE | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 26 | GREENFIELD | 22.965 | 0.030565 | 0.362 | | 0.416 | -0.001775 | 23.743 | 1.200 | 0.028790 |
| 27 | HUNTINGBURG | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 28 | JAMESTOWN | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 29 | JASPER | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 30 | KINGSFORD HEIGHTS | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 31 | KNIGHTSTOWN | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 32 | LADOGA | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 33 | LAWRENCEBURG | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |

Table 5 - September 30, 2016
2017 RATE STUDY
Proposed Demand and Energy Rates by Member

| LINE NO. | MEMBER | IMPA BASE RATE | | DELIVERY VOLTAGE ADJUSTMENT | | ENERGY COST ADJ. | | TOTAL DEMAND \$/kW-Mo | REACTIVE DEMAND \$/kvar-Mo | TOTAL ENERGY RATE Cents/kWh |
|-------------|---------------|--------------------|------------------|--------------------------------|---------------------|--------------------|------------------|-----------------------------|----------------------------------|--------------------------------------|
| | | DEMAND \$/kW-Mo | ENERGY \$/kWh | DEMAND \$/kW-Mo | ENERGY Cents/kWh | DEMAND \$/kW-Mo | ENERGY \$/kWh | | | |
| 34 | LEBANON | 22.965 | 0.030565 | 1.054 | | 0.416 | -0.001775 | 24.435 | 1.200 | 0.028790 |
| 35 | LEWISVILLE | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 36 | LINTON | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 37 | MIDDLETOWN | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 38 | MONTEZUMA | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 39 | NEW ROSS | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 40 | PAOLI | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 41 | PENDLETON | 22.965 | 0.030565 | 1.102 | | 0.416 | -0.001775 | 24.483 | 1.200 | 0.028790 |
| 42 | PERU | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 43 | PITTSBORO | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 44 | RENNSLAER | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 45 | RICHMOND | 22.965 | 0.030565 | 0.000 | | 0.416 | -0.001775 | 23.381 | 1.200 | 0.028790 |
| 46 | RISING SUN | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 47 | ROCKVILLE | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 48 | SCOTTSBURG | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 49 | SOUTH WHITLEY | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 50 | SPICELAND | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 51 | STRAUGHN | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 52 | TELL CITY | 22.965 | 0.030565 | 0.951 | | 0.416 | -0.001775 | 24.332 | 1.200 | 0.028790 |
| 53 | THORNTOWN | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 54 | TIPTON | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 55 | VEEDERSBURG | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 56 | WALKERTON | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 57 | WASHINGTON | 22.965 | 0.030565 | 0.000 | | 0.416 | -0.001775 | 23.381 | 1.200 | 0.028790 |
| 58 | WAYNETOWN | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 59 | WILLIAMSPORT | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |
| 60 | WINAMAC | 22.965 | 0.030565 | 1.390 | | 0.416 | -0.001775 | 24.771 | 1.200 | 0.028790 |

* The ECA balance is spread over the 12 months of January to December