

**KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY
26 SOUTH WASHINGTON STREET
KNIGHTSTOWN, INDIANA 46148**

**Telephone 765-345-5977
Fax 765-345-2212**

Date: November 2, 2015

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

**RE: Knightstown 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 Knightstown Municipal Electric Utility for the 1st quarter tracker filing for 2016. The tariff sheets and work papers are attached. The purpose of this filing is to secure authorization for an approval of the change in the fuel cost adjustment charges. This filing is necessary because of an (increase) or decrease for electricity purchased from our power supplier. The filing is allowed under 170 IAC 1-6-3 for the following reasons: authorizing such (increase) or decrease to be effective on all customer bills rendered by Applicant for electricity subsequent to the date of the Commission's approval.

The person at Knightstown Municipal Electric Utility to be contacted regarding this filing is: Betsy Wilkerson, Office Manager; telephone 765-345-5977; 26 South Washington Street, Knightstown, Indiana 46148. E-mail address is bwilkerson@myninestar.net.

Affected customers have been notified as required under 170 IAC 1-6-6. Notice was published in The Knightstown Banner which has a general circulation encompassing the highest number of affected customers on October 28, 2015. Notice has been posted in a public place in the Knightstown Municipal Electric Utility Customer Service Office. We do not have a website to post the legal notice on. A copy of the publication and public notice is attached.

I verify that the 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,

**Betsy Wilkerson, Office Manager
Town of Knightstown, Knightstown Utilities**

**KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY
26 SOUTH WASHINGTON STREET
KNIGHTSTOWN, INDIANA 46148**

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 Adjustments applicable to the below listed Rate
Schedules are as follows:**

<u>Rate Code</u>	<u>ECA Tracking Factor</u>
ALL	\$0.008724

MONTH'S EFFECTIVE:

Jan-2016 Feb- 2016 Mar-2016

LEGAL NOTICE

The Knightstown Electric Utility has calculated an energy tracking factor to implement a change in the rates for electric service charged by its supplier the Indiana Municipal Power Agency.

This tracker will be effective for all energy consumed during the billing period.

Billing Period:	<u>Jan-2016</u>	<u>Feb-2016</u>	<u>Mar-2016</u>
Tracker \$Kwh	\$0.008724	\$0.008724	\$0.008724

This tracker results in an increase of 0.000597.

For questions or objections, you may contact the Indiana Utility Regulatory commission (IURC) at PNC Center, 101 W. Washington St., Suite 1500 E., Indianapolis, In. 46204-3407 or call toll free 1-800-851-4268; Voice/Too: 317-232-2701 or www.in.gov/iurc. You may also contact the Office of Utility Consumer Counselor (OUCC) at PNC Center, 115 W. Washington St., Suite 1500 South, Indianapolis, In. 46204-3407 or call 1-888-441-2494; Voice/Too: 1-317-232-2494 or www.in.gov/oucc.

KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY

APPENDIX "A"

RATE ADJUSTMENT

The Knightstown Electric Utility has calculated an energy tracking factor to implement a change in the rates for electric service charged by its supplier the Indiana Municipal Power Agency.

This tracker will be effective for all energy consumed during the billing period.

Tracker:
\$ 0.008724 per kWh per month

Effective: 1st Quarter 2016
For Billing Periods: Jan-16, Feb-16, and Mar-16

EXHIBIT I

KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY
DETERMINATION OF THE RATE ADJUSTMENT

LINE NO.	DESCRIPTION	FOR THE PERIOD OF			TOTAL	ESTIMATED 3 MONTH AVERAGE
		Jan-16 (A)	Feb-16 (B)	Mar-16 (C)		
	ESTIMATED PURCHASED POWER FROM IMPA					
1	DEMAND (kW)	4,618	4,443	3,772	12,833	4,278
2	ENERGY (kWh)	2,632,128	2,275,048	2,115,853	7,023,029	2,341,010
3	ESTIMATED SALES (kWh) (a)	2,370,904	2,049,262	1,905,867	6,326,033	2,108,678
	ESTIMATED TOTAL RATE ADJUSTMENT					
4	DEMAND (b)	\$20,702.49	\$19,917.97	\$16,909.88	\$57,530.34	\$19,176.78
5	ENERGY (c)	(\$2.63)	(\$2.28)	(\$2.12)	(\$7.02)	(\$2.34)
6	TOTAL	\$20,699.86	\$19,915.69	\$16,907.76	\$57,523.32	\$19,174.44
	VARIANCE					
7	VARIANCE IN RECONCILIATION PERIOD (d)					(\$1,035.77)
8	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST (e)					\$18,138.67
9	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST PER kWh (f)					\$0.008602
10	TOTAL ESTIMATED INCREMENTAL PURCHASED POWER COST PER KWH ADJUSTED FOR I.G.I.T. (g)					\$0.008724
11	TOTAL TRACKING FACTOR (h)					\$0.008724

(a) Line 2 times (1 - current line loss factor) (See Exhibit V)

(b) Line 1 times Exhibit II, Line 5, Column A.

(c) Line 2 times Exhibit II, Line 5, Column B.

(d) Exhibit III, Line 7, Column E.

(e) Line 6 plus Line 7

(f) Line 8 divided by Line 3

(g) Line 9 divided by the Indiana Gross Income Tax Factor of 0.9860

(h) Line 10

EXHIBIT II

KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY
DETERMINATION OF THE RATE ADJUSTMENT
For the 1st Quarter 2016

LINE NO.	DESCRIPTION		DEMAND (A)	ENERGY (B)
	<u>INCREMENTAL CHANGE IN BASE RATES</u>			
1	CURRENT RATE EFFECTIVE 1-Jan-16	(a)	\$23.723	\$0.030525
2	BASE RATE EFFECTIVE 6-Aug-14	(b)	\$19.278	\$0.031800
3	INCREMENTAL CHANGE IN BASE RATES	(c)	\$4.445	(\$0.001275)
	<u>ENERGY COST ADJUSTMENT</u>			
4	ECA Effective with Current Rates		\$ 0.038	\$ 0.001274
5	ECA Effective in Base Rates		\$ -	\$ -
6	ESTIMATED ENERGY COST ADJUSTMENT		\$0.038	\$0.001274
7	ESTIMATED TOTAL RATE ADJUSTMENT	(d)	\$4.483	(\$0.000001)

-
- (a) IMPA rate, including voltage adjustment, effective for the period covered by this filing.
 - (b) Base purchased power rate effective either at the time of the member's last rate case was filed or when the member initiated service from IMPA, whichever is more recent.
 - (c) Line 1 minus Line 2
 - (d) Line 3 plus Line 4

EXHIBIT III

KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY
DETERMINATION OF VARIANCE

LINE NO.	DESCRIPTION	FOR THE HISTORICAL PERIOD OF			TOTAL (D)	3 MONTH AVERAGE (E)
		Jul-15 (A)	Aug-15 (B)	Sep-15 (C)		
1	TOTAL SALES SUBJECT TO RATE ADJ. (a)	1,934,615	2,074,999	2,006,713	6,016,327	2,005,442
2	INCREMENTAL COST BILLED BY IMPA (b)	\$19,811.02	\$18,288.39	\$18,642.30	\$56,741.71	\$18,913.90
3	INCREMENTAL COST BILLED BY MEMBER (c)	\$19,821.43	\$21,259.76	\$20,560.13	\$61,641.32	\$20,547.11
4	INC COST BILLED EXCLUDING I.G.I.T. (d)	\$19,543.93	\$20,962.13	\$20,272.28	\$60,778.34	\$20,259.45
5	PREVIOUS VARIANCE (e)	\$309.78	\$309.78	\$309.78	\$929.34	\$309.78
6	NET COST BILLED BY MEMBER (f)	\$19,234.15	\$20,652.34	\$19,962.50	\$59,849.00	\$19,949.67
7	PURCHASED POWER VARIANCE (g)	\$576.87	(\$2,363.95)	(\$1,320.21)	(\$3,107.29)	(\$1,035.77)

(a) Exhibit IV, Line 3

(b) Exhibit IV, Line 14

(c) Line 1 times factor used in historical month \$0.010246 \$0.010246 \$0.010246

(d) Line 3 times the Indiana Gross Income Tax Factor of: 0.9860

(e) Purchased Power Variance (Exhibit III, Line 7) from the analysis for the tracker during the historical period.

(f) Line 4 minus Line 5

(g) Line 2 minus Line 6

**KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY
DETERMINATION OF VARIANCE**

LINE NO.	DESCRIPTION	Based on the Historical Period of			TOTAL (D)	3 MONTH AVERAGE (E)
		Jul-15 (A)	Aug-15 (B)	Sep-15 (C)		
	<u>UNITS PURCHASED FROM IMPA</u>					
1	DEMAND (kW)	5,201	4,765	4,970	14,936	4,979
2	ENERGY (kWh)	2,245,269	2,152,906	1,945,112	6,343,287	2,114,429
	<u>TOTAL SALES BILLED BY MEMBER</u>					
3	TOTAL SALES SUBJECT TO RATE ADJ	1,934,615	2,074,999	2,006,713	6,016,327	2,005,442
4	TOTAL SALES NOT SUBJECT TO RATE ADJ	0	0	0	0	0
5	TOTAL SALES BILLED BY MEMBER	1,934,615	2,074,999	2,006,713	6,016,327	2,005,442
	<u>INCREMENTAL CHANGE IN BASE RATES</u>					
6	DEMAND CHARGE PER kW (a)	\$3.100	\$3.100	\$3.100	(a)	Exhibit II, Line 3, Column A, for Historical Period
7	ENERGY CHARGE PER kWh (b)	(\$0.001019)	(\$0.001019)	(\$0.001019)	(b)	Exhibit II, Line 3, Column B for Historical Period
	<u>ACTUAL ENERGY COST ADJUSTMENT BILLED BY IMPA</u>					
8	DEMAND CHARGE PER kW (c)	\$0.087	\$0.087	\$0.087	(c)	IMPA bills for the Historical Period
9	ENERGY CHARGE PER kWh (c)	\$0.002460	\$0.002460	\$0.002460		
	<u>TRACKING FACTOR IN EFFECT PRIOR TO IMPA</u>					
10	TRACKING FACTOR PER kWh IN EFFECT PRIOR TO SERVICE FROM IMPA (d)	\$0.000000	\$0.000000	\$0.000000	(d)	Tracking Factor effective prior to IMPA multiplied by the line loss and tax factors from footnotes (a) and (g) from Exhibit 1 of the previous tracking filing.
	<u>TOTAL RATE ADJUSTMENT</u>					
11	DEMAND - PER kW (e)	\$3.187	\$3.187	\$3.187	(e)	Line 6 plus Line 8
12	ENERGY - PER kWh (f)	\$0.001441	\$0.001441	\$0.001441	(f)	Line 7 plus Line 9 plus Line 10
					(g)	Line 11 times Line 1 plus Line 12 times Line 2
					(h)	(Line 3 divided by Line 5) times Line 13
13	TOTAL INCREMENTAL PURCHASED POWER COST BILLED BY IMPA (g)	\$19,811.02	\$18,288.39	\$18,642.30	\$56,741.71	\$18,913.90
14	TOTAL INCREMENTAL PURCHASED POWER COST SUBJECT TO RATE ADJUSTMENT (h)	\$19,811.02	\$18,288.39	\$18,642.30	\$56,741.71	\$18,913.90

**KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY
CALCULATION OF LINE LOSS FACTOR**

Month of Consumption Month Billed	Jan 2014	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014	2014 Total
	Feb 2014	Mar 2014	Apr 2014	May 2014	Jun 2014	Jul 2014	Aug 2014	Sep 2014	Oct 2014	Nov 2014	Dec 2014	Jan 2015	
kWh Purchased	2,844,041	2,417,946	2,253,070	1,657,622	1,790,176	2,090,606	2,022,256	2,282,240	1,790,960	1,743,022	2,243,945	2,393,308	25,529,192
kWh Metered	2,549,659	2,542,659	1,933,410	1,855,409	1,459,983	1,876,020	1,698,310	1,852,344	2,101,817	1,487,459	1,845,750	1,983,085	23,185,905
kWh unmetered													0
kWh Accounted for	2,549,659	2,542,659	1,933,410	1,855,409	1,459,983	1,876,020	1,698,310	1,852,344	2,101,817	1,487,459	1,845,750	1,983,085	23,185,905
Unaccounted for kWh	294,382	-124,713	319,660	-197,787	330,193	214,586	323,946	429,896	-310,857	255,563	398,195	410,223	2,343,287
Line Loss Factor	10.35%	-5.16%	14.19%	-11.93%	18.44%	10.26%	16.02%	18.84%	-17.36%	14.66%	17.75%	17.14%	9.18%
Running 12 MO Loss	9.73%	8.67%	9.44%	8.92%	9.46%	8.93%	9.15%	9.81%	8.94%	9.11%	8.97%	9.18%	

Month of Consumption Month Billed	Jan 2015	Feb 2015	Mar 2015	Apr 2015	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	2015 Total
	Feb 2015	Mar 2015	Apr 2015	May 2015	Jun 2015	Jul 2015	Aug 2015	Sep 2015	Oct 2015	Nov 2015	Dec 2015	Jan 2016	
kWh Purchased	2,604,726	2,456,820	2,126,112	1,599,566	1,742,445	1,974,458	2,245,269	2,152,906	1,945,112				18,847,414
kWh Metered	2,431,937	2,034,152	2,230,978	1,804,963	1,675,090	1,214,242	1,934,615	2,074,999	2,006,713				17,407,689
kWh unmetered													0
kWh Accounted for	2,431,937	2,034,152	2,230,978	1,804,963	1,675,090	1,214,242	1,934,615	2,074,999	2,006,713	0	0	0	17,407,689
Unaccounted for kWh	172,789	422,668	-104,866	-205,397	67,355	760,216	310,654	77,907	-61,601	0	0	0	1,439,725
Line Loss Factor	6.63%	17.20%	-4.93%	-12.84%	3.87%	38.50%	13.84%	3.62%	-3.17%				
Running 12 MO Loss	8.78%	10.93%	9.30%	9.29%	8.26%	10.49%	10.34%	8.99%	9.92%				

General Inputs

Member **KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY** Year **2016** Qt **1st Quarter 2016**
Knightstown

Initial month for the projected period	Jan 2016	Feb 2016	Mar 2016
Historical period for this analysis	Jul 2015	Aug 2015	Sep 2015

Estimated Power Purchased from IMPA						Entered: 10/23/15
kW			kWh			
Jan-16	Feb-16	Mar-16	Jan-16	Feb-16	Mar-16	
4,618	4,443	3,772	2,632,128	2,275,048	2,115,853	
IMPA Demand ECA - \$/kW			IMPA Energy ECA - \$/kWh			
\$0.038	\$0.038	\$0.038	\$0.001274	\$0.001274	\$0.001274	

IMPA Rate Effective for the CURRENT Period			Entered: 10/23/15
Effective for 01/01/16			
	Demand \$/kW	Energy \$/kWh	
Base Production	22.230	0.030525	
Base Transmission	0.000	0.000000	
Delivery Voltage	1.493		
Total	23.723	0.030525	

IMPA's rate effective for the BASE period			Entered: 09/03/14
Effective for 8/6/2014			
	Demand \$/kW	Energy \$/kWh	
Base Production	19.278	0.031800	
Base Transmission	0.000		
Delivery Voltage	0.000		
ECA	0.000	0.000000	
Total	19.278	0.031800	

Note: These are the IMPA rates included in Knightstown's last rate case. Cause No. 44460-U Order August 6, 2014.

General Inputs

Member **KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY** Year **2016** Qt **1st Quarter 2016**
Knightstown

<u>Data from IMPA's Bills</u>			
Entered: 10/23/15			
Month of Service	Jul-15	Aug-15	Sep-15
Demand (kW)	5,201	4,765	4,970
Energy (kWh)	2,245,269	2,152,906	1,945,112
Incremental Change in Rates from 3rd Quarter 2015 (Exhibit II, Line 3)			
Demand	\$ 3.100	\$ 3.100	\$ 3.100
Energy	\$ (0.001019)	\$ (0.001019)	\$ (0.001019)
Energy Cost Adjustment (ECA) from 3rd Quarter 2015 (Exhibit II, Line 4)			
Demand (\$/kW)	\$0.087	\$0.087	\$0.087
Energy (\$/kWh)	\$0.002460	\$0.002460	\$0.002460

<u>Separation of kWh Subject to Tracker</u>			
Entered: 10/23/15			
from Billing Summary Sheet entered into Exhibit V			
Month of Service	Jul-15	Aug-15	Sep-15
Energy subject to tracker	1,934,615	2,074,999	2,006,713
Energy not subject to tracker	-	-	-
Total	1,934,615	2,074,999	2,006,713
Monthly Line Losses	13.84%	3.62%	-3.17%

<u>Estimate of Unmetered Energy</u>
9.92%

<u>Tracker Applied to Retail Bills in This Historical Period</u>			
Entered: 10/23/15			
3rd Quarter 2015	Jul-15	Aug-15	Sep-15
\$/kWh	0.010246	0.010246	0.010246
4th Quarter 2015	Oct-15	Nov-15	Dec-15
\$/kWh	0.008127	0.008127	0.008127

<u>Fuel Cost Adjustment</u>
\$0.000000 /kWh

<u>Purchased Power Variance</u>			
Entered: 10/23/2015			
From 3rd Quarter 2015 (Exhibit III, Line 7) of previous analysis for the tracker.			
	Jul-15	Aug-15	Sep-15
	\$309.78	\$309.78	\$309.78

<u>Indiana Gross Income Tax Factor</u>	
Tax Rate	1.40%
Tax Factor	0.9860

KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY

Monthly Bill Comparisons

Residential Customers -- 4th Quarter 2015 Tracker Vs. 1st Quarter 2016 Tracker

kWh Usage	Knightstown Residential Bills		Bill with 1st Quarter 2016 Tracker Over (Under) Bill with 4th Quarter 2015 Tracker	
	4th Quarter 2015	1st Quarter 2016	\$ Change	% Change
300	\$36.86	\$37.04	\$0.18	0.5%
500	\$58.18	\$58.48	\$0.30	0.5%
750	\$84.84	\$85.29	\$0.45	0.5%
1,000	\$111.50	\$112.09	\$0.60	0.5%
1,500	\$160.26	\$161.16	\$0.90	0.6%
2,000	\$209.02	\$210.22	\$1.19	0.6%
3,000	\$306.55	\$308.34	\$1.79	0.6%
4,000	\$404.08	\$406.47	\$2.39	0.6%

Knightstown Residential Rates			
	4th Quarter 2015	1st Quarter 2016	
Energy Charge First 30 kWh or less used per month	\$ 5.24	\$ 5.24	
Energy Charge Next 170 kWh, \$/kWh/Month	\$ 0.113700	\$ 0.113700	
Energy Charge Next 800 kWh, \$/kWh/Month	\$ 0.098500	\$ 0.098500	
Energy Charge Over 1,000 kWh, \$/kWh/Month	\$ 0.089400	\$ 0.089400	
Energy Tracker	\$ 0.008127	\$ 0.008724	

Commercial & Municipal Customers -- 4th Quarter 2015 Tracker Vs. 1st Quarter 2016 Tracker

kWh Usage	Commercial & Municipal Bills		Bill with 1st Quarter 2016 Tracker Over (Under) Bill with 4th Quarter 2015 Tracker	
	4th Quarter 2015	1st Quarter 2016	\$ Change	% Change
1,000	\$129.02	\$129.62	\$0.60	0.5%
2,500	\$295.91	\$297.41	\$1.49	0.5%
5,000	\$562.48	\$565.47	\$2.99	0.5%
7,500	\$806.30	\$810.78	\$4.48	0.6%
10,000	\$1,050.11	\$1,056.09	\$5.97	0.6%
20,000	\$2,025.38	\$2,037.33	\$11.94	0.6%
30,000	\$3,000.65	\$3,018.57	\$17.91	0.6%
40,000	\$3,975.92	\$3,999.81	\$23.88	0.6%

Commercial & Municipal Rates			
	4th Quarter 2015	1st Quarter 2016	
Energy Charge First 30 kWh or less, \$/kWh/Month	\$ 5.24	\$ 5.24	
Energy Charge Next 470 kWh, \$/kWh/Month	\$ 0.126500	\$ 0.126500	
Energy Charge Next 1,000 kWh, \$/kWh/Month	\$ 0.112400	\$ 0.112400	
Energy Charge Next 3,500 kWh, \$/kWh/Month	\$ 0.098500	\$ 0.098500	
Energy Charge Over 5,000 kWh, \$/kWh/Month	\$ 0.089400	\$ 0.089400	
Energy Tracker	\$ 0.008127	\$ 0.008724	

General Service Customers -- 4th Quarter 2015 Tracker Vs. 1st Quarter 2016 Tracker

kW*	kWh	General Service Bills		Bill with 1st Quarter 2016 Tracker Over (Under) Bill with 4th Quarter 2015 Tracker	
		4th Quarter 2015	1st Quarter 2016	\$ Change	% Change
Usage	Usage				
27.00	10,000	\$1,094.85	\$1,100.82	\$5.97	0.5%
41.00	15,000	\$1,643.54	\$1,652.50	\$8.96	0.5%
68.00	25,000	\$2,738.39	\$2,753.32	\$14.93	0.5%
82.00	30,000	\$3,287.09	\$3,305.00	\$17.91	0.5%
137.00	50,000	\$5,479.33	\$5,509.18	\$29.85	0.5%
205.00	75,000	\$8,217.72	\$8,262.50	\$44.78	0.5%
274.00	100,000	\$10,958.66	\$11,018.37	\$59.71	0.5%
753.00	275,000	\$30,135.04	\$30,299.23	\$164.20	0.5%

	General Service Rates	
	4th Quarter 2015	1st Quarter 2016
Demand Charge, \$/kW	\$ 2.54	\$ 2.54
Energy Charge, \$/kWh/Month	\$ 0.094500	\$ 0.094500
Energy Tracker	\$ 0.008127	\$ 0.008724

* Assumes a 50% Load Factor

Supporting Document

INDIANA MUNICIPAL POWER AGENCY ECA ESTIMATES FOR JANUARY, FEBRUARY and MARCH 2016 - 1ST QUARTER

	JAN	FEB	MAR	JAN	FEB	MAR
	\$/kW-month			\$/kWh		
IMPA's Energy Cost Adjustment	0.038	0.038	0.038	0.001274	0.001274	0.001274
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for	kW			kWh		
KNIGHTSTOWN	4,618	4,443	3,772	2,632,128	2,275,048	2,115,853



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

Supporting Document



IMPA
INDIANA MUNICIPAL POWER AGENCY

Knightstown Electric Utility
26 S. Washington Street
Knightstown, IN 46148

Due Date:
10/14/15

Amount Due:
\$179,546.94

Billing Period: August 1 to 31, 2015

Invoice No: INV0005482

Invoice Date: 09/14/15

Demand	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	4,890	1,852	93.52%	08/10/15	1600	59.18%
CP Billing Demand:	4,765	1,792	93.60%	08/03/15	1600	60.73%
kvar at 97% PF:		1,194				
Reactive Demand:		598				

Energy	kWh
Duke Interconnections:	2,152,906
Total Energy:	2,152,906

History	Aug 2015	Aug 2014	2015 YTD
Max Demand (kW):	4,890	5,603	5,651
CP Demand (kW):	4,765	5,490	5,201
Energy (kWh):	2,152,906	2,282,240	16,911,302
CP Load Factor:	60.73%	55.87%	
HDD/CDD (Indianapolis):	2/251	2/283	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 20.897 / kW x	4,765	\$ 99,574.21
ECA Demand Charge:	\$ 0.087 / kW x	4,765	\$ 414.56
Delivery Voltage Charge - Less than 34.5 kV:	\$ 1.481 / kW x	4,765	\$ 7,056.97
Reactive Demand Charge:	\$ 1.200 / kvar x	598	\$ 717.60
Total Demand Charges:			\$ 107,763.34
Base Energy Charge:	\$ 0.030781 / kWh x	2,152,906	\$ 66,268.60
ECA Energy Charge:	\$ 0.002460 / kWh x	2,152,906	\$ 5,296.15
Total Energy Charges:			\$ 71,564.75
Average Purchased Power Cost: 8.33 cents per kWh			Total Purchased Power Charges: \$ 179,328.09

Other Charges and Credits	
Energy Efficiency Fund - 14,220 kWh Saved:	\$ 218.85

NET AMOUNT DUE: \$ 179,546.94

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 10/14/15

Questions, please call: 317-573-9955

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

Supporting Document



IMPA
INDIANA MUNICIPAL POWER AGENCY

Knightstown Electric Utility
26 S. Washington Street
Knightstown, IN 46148

Due Date:
11/13/15

Amount Due:
\$177,343.37

Billing Period: September 1 to 30, 2015

Invoice No: INV0005572

Invoice Date: 10/14/15

Demand	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	5,334	2,013	93.56%	09/04/15	1500	50.65%
CP Billing Demand:	4,970	1,926	93.24%	09/03/15	1500	54.36%
kvar at 97% PF:		1,246				
Reactive Demand:		680				

Energy	kWh
Duke Interconnections:	1,945,112
Total Energy:	1,945,112

History	Sep 2015	Sep 2014	2015 YTD
Max Demand (kW):	5,334	5,475	5,651
CP Demand (kW):	4,970	5,475	5,201
Energy (kWh):	1,945,112	1,790,960	18,856,414
CP Load Factor:	54.36%	45.43%	
HDD/CDD (Indianapolis):	19/191	73/94	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 20.897 / kW x	4,970	\$ 103,858.09
ECA Demand Charge:	\$ 0.087 / kW x	4,970	\$ 432.39
Delivery Voltage Charge - Less than 34.5 kV:	\$ 1.481 / kW x	4,970	\$ 7,360.57
Reactive Demand Charge:	\$ 1.200 / kvar x	680	\$ 816.00
Total Demand Charges:			\$ 112,467.05
Base Energy Charge:	\$ 0.030781 / kWh x	1,945,112	\$ 59,872.49
ECA Energy Charge:	\$ 0.002460 / kWh x	1,945,112	\$ 4,784.98
Total Energy Charges:			\$ 64,657.47
Average Purchased Power Cost: 9.11 cents per kWh			
Total Purchased Power Charges:			\$ 177,124.52

Other Charges and Credits
Energy Efficiency Fund - 14,220 kWh Saved:
\$ 218.85

NET AMOUNT DUE: \$ 177,343.37

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 11/13/15

Questions, please call: 317-573-9955

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

EXHIBIT II

KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY
DETERMINATION OF THE RATE ADJUSTMENT
For the 3rd Quarter 2015

LINE NO.	DESCRIPTION		DEMAND (A)	ENERGY (B)
	<u>INCREMENTAL CHANGE IN BASE RATES</u>			
1	CURRENT RATE EFFECTIVE 1-Jan-15 (a)		\$22.378	\$0.030781
2	BASE RATE EFFECTIVE 6-Aug-14 (b)		\$19.278	\$0.031800
3	INCREMENTAL CHANGE IN BASE RATES (c)		\$3.100	(\$0.001019)
	<u>ENERGY COST ADJUSTMENT</u>			
4	ECA Effective with Current Rates		\$ 0.087	\$ 0.002460
5	ECA Effective in Base Rates		\$ -	\$ -
6	ESTIMATED ENERGY COST ADJUSTMENT		\$0.087	\$0.002460
7	ESTIMATED TOTAL RATE ADJUSTMENT (d)		\$3.187	\$0.001441

-
- (a) IMPA rate, including voltage adjustment, effective for the period covered by this filing.
 - (b) Base purchased power rate effective either at the time of the member's last rate case was filed or when the member initiated service from IMPA, whichever is more recent.
 - (c) Line 1 minus Line 2
 - (d) Line 3 plus Line 4

Supporting Document

KNIGHTSTOWN WATER, LIGHT & SEWER UTILITIES

26 South Washington Street
KNIGHTSTOWN, INDIANA 46148
765-345-5977

October 22, 2015

To: James Welsh

Re: 1st Quarter Tracker for 2016

The following are the totals of KWH sold for the months of July, August and September 2015.

	<u>KWH SOLD</u>
July 2015	1,934,615
August 2015	2,074,999
September 2015	<u>2,006,713</u>
Total	6,016,327

Thank you for your assistance.

Sincerely,

Betsy Wilkerson
Office Manager
Knightstown Utilities
26 S Washington St
Knightstown, IN 46148
765-345-5977
bwilkerson@myninestar.net

KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY

APPENDIX "A"

RATE ADJUSTMENT

The Knightstown Electric Utility has calculated an energy tracking factor to implement a change in the rates for electric service charged by its supplier the Indiana Municipal Power Agency.

This tracker will be effective for all energy consumed during the billing period.

Tracker:

\$ 0.010246 per kWh per month

Effective: 3rd Quarter 2015

For Billing Periods: Jul-15, Aug-15, and Sep-15

KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY

APPENDIX "A"

RATE ADJUSTMENT

The Knightstown Electric Utility has calculated an energy tracking factor to implement a change in the rates for electric service charged by its supplier the Indiana Municipal Power Agency.

This tracker will be effective for all energy consumed during the billing period.

Tracker:
\$ 0.008127 per kWh per month

Effective: 4th Quarter 2015
For Billing Periods: Oct-15, Nov-15, and Dec-15

EXHIBIT III

KNIGHTSTOWN MUNICIPAL ELECTRIC UTILITY DETERMINATION OF VARIANCE

LINE NO.	DESCRIPTION	FOR THE HISTORICAL PERIOD OF			TOTAL	3 MONTH AVERAGE
		Jan-15 (A)	Feb-15 (B)	Mar-15 (C)		
1	TOTAL SALES SUBJECT TO RATE ADJ. (a)	2,431,937	2,034,152	2,230,978	6,697,067	2,232,356
2	INCREMENTAL COST BILLED BY IMPA (b)	\$18,850.23	\$18,216.41	\$17,105.65	\$54,172.29	\$18,057.43
3	INCREMENTAL COST BILLED BY MEMBER (c)	\$20,652.87	\$17,274.74	\$18,946.25	\$56,873.85	\$18,957.95
4	INC COST BILLED EXCLUDING I.G.I.T. (d)	\$20,363.73	\$17,032.89	\$18,681.00	\$56,077.62	\$18,692.54
5	PREVIOUS VARIANCE (e)	\$55,099.59	(\$28,098.63)	(\$24,166.30)	\$2,834.67	\$944.89
6	NET COST BILLED BY MEMBER (f)	(\$34,735.86)	\$45,131.51	\$42,847.30	\$53,242.95	\$17,747.65
7	PURCHASED POWER VARIANCE (g)	\$53,586.09	(\$26,915.10)	(\$25,741.65)	\$929.34	\$309.78

(a)	Exhibit IV, Line 3					
(b)	Exhibit IV, Line 14					
(c)	Line 1 times factor used in historical month	\$0.008492	\$0.008492	\$0.008492		
(d)	Line 3 times the Indiana Gross Income Tax Factor of:	0.9860				
(e)	Purchased Power Variance (Exhibit III, Line 7) from the analysis for the tracker during the historical period.					
(f)	Line 4 minus Line 5					
(g)	Line 2 minus Line 6					