



Crawfordsville Electric Light & Power

P.O. Box 428 • 808 Lafayette Road • Crawfordsville, IN 47933
Phone (765) 362-1900 • Fax (765) 364-8224 • www.celp.com

125 YEARS OF SERVICE

Received: March 6, 2018
IURC 30-Day Filing No.: 50127
Indiana Utility Regulatory Commission

January 18, 2018

Via Electronic Filing – 30 Day Filings – Electric

Mary Becerra
Commission Secretary
Indiana Utility Regulatory Commission
101 West Washington St., Suite 1500 E
Indianapolis, IN 46204

RE: Crawfordsville Electric Light & Power
30 Day Filing Pursuant to 170 IAC 1-6-1 et seq.

Dear Ms. Becerra:

Enclosed please find documents in support of our filing for a 30 Day Filing by Crawfordsville Electric Light & Power pursuant to 170 IAC Rule 6. The purpose of our filing is to implement an average change in the rates for electric service charged by its supplier, Indiana Municipal Power Agency. This request is allowable pursuant to 170 IAC 1-6-3 of Rule 6 because it entails Cause # 36835-2 dated 12-13-1989: a filing for which the commission has already approved or accepted the procedure for the change.

Affected customers have been notified as required under 170 IAC 1-6-6. Notice was published in the Journal Review on MARCH 8TH, 18. In addition, the Legal Notice has been placed on the utility website rates page (www.celp.com) and has been posted in a public place in the Crawfordsville Electric Light & Power customer service office(s). The contact information, including every person who may need to be contacted, regarding this request is:

Mr. Phillip R. Goode
765-362-1900
808 Lafayette Road
P.O. Box 428
Crawfordsville, IN 47933-0428
765/364-8224 (fax) philg@celp.com

The proposed rate adjustment will apply to electric customer bills during the three months of April, May, and June 2018. The average residential customer using 860 kWh will see a increase of approximately \$0.10 or 0.1%.

Ms. Mary Beccera

Page 2

RE: Crawfordsville Electric Light & Power

30 Day Filing Pursuant to 170 IAC 1-6-1 et seq.

Attached are the applicable tariff sheets and/or all working papers supporting this filing.

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.

Please feel free to contact our office if there are any questions concerning any of the documents provided. Thank you for your assistance with this 30 Day Filing.

Yours truly,

A handwritten signature in cursive script that reads "Phillip R. Goode".

Phillip R. Goode
Manager

Attachments



Crawfordsville Electric Light & Power

P.O. Box 428 • 808 Lafayette Road • Crawfordsville, IN 47933

Phone (765) 362-1900 • Fax (765) 364-8224 • www.celp.com

125 YEARS OF SERVICE

January 18, 2018

Mr. Brad Borum
Indiana Utility Regulatory Commission
Electricity Division
101 W Washington St., Suite 1500 East
Indianapolis, IN 46204-3407

TO THE INDIANA UTILITY REGULATORY COMMISSION

1. Crawfordsville Electric Light & Power, 808 Lafayette Rd., Crawfordsville, Indiana, under and pursuant to the Public Service Commission Act, as amended, and Commission Order in Cause No. 36835-S3, hereby files with the Indiana Regulatory Commission for its approval, changes in the schedule of rates for electricity sold as follows:

Residential Service	Increase of:	\$ 0.000120 per kWh
Gen. Power & Municipal Power	Increase of:	\$ 0.000278 per kWh
Primary Power Service	Decrease of:	\$ (0.456559) per kVA
	Increase of:	\$ 0.000168 per kWh
Outdoor Lighting	Decrease of:	\$ (0.000042) per kWh
Street Lighting	Decrease of:	\$ (0.000218) per kWh
Traffic Lighting	Decrease of:	\$ (0.000247) per kWh

2. The accompanying changes in the schedule of rates are based solely upon the changes in the cost of purchased power and energy, purchased by this utility computed in accordance with the Indiana Utility Regulatory Commission Order in Cause No. 36835-S3, 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 bills to be rendered beginning with the April 2018 billing cycle.

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

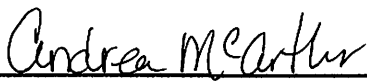
BY:

Phillip R. Goode

PRG/kc
Enclosure

STATE OF INDIANA)
) SS:
COUNTY OF MONTGOMERY)

Personally appeared before me, a Notary Public in and for said county and state, this 6 day of March 2018, Phillip R. Goode, who after having been duly sworn according to law, stated that that he or she is an officer of Crawfordsville Electric Light & Power, Crawfordsville, Indiana, that he or she has read the matters and facts stated above, and in all exhibits attached hereto, and that the same are true; that he or she is duly authorized to execute this instrument for and on behalf of the applicant herein.



Andrea McArthur
Notary Public
My County of Residence: Montgomery

My Commission Expires:
August 8, 2024

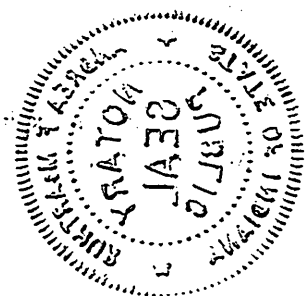
STATE OF INDIANA

COUNTY OF MONTGOMERY

and before me, the undersigned, a Notary Public in and for said county, and state this _____ day
of _____ 19____, that _____, being personally known to me, and according to law, state that
of said _____, the _____, the _____, and _____, Indians, that he
and _____, facts stated above, and to all others concerned, and that the same are
correctly and lawfully ascertained for and _____, _____ of the applicant herein.

At County of _____, State of _____

Notary Public



CRAWFORDSVILLE ELECTRIC LIGHT & POWER
Crawfordsville, Indiana

**Proposed Rate Adjustment Applicable to the 2nd Quarter 2018
and Supporting Schedules**

**For use with rates approved under IURC Cause No. 44684
April, May, and June, 2018**

LEGAL NOTICE

Crawfordsville Electric Light & Power has made a filing for a purchase power and energy tracking factor with the Indiana Utility Regulatory Commission in order to implement an average change in its rates for electric service charged by its supplier, Indiana Municipal Power Agency, pursuant to the Indiana Utility Regulatory Commission Order in Cause Number 36835-S3. The filing, if approved by the Commission, will be effective for energy consumed on or after the date of approval.

Rate RS	\$	(0.004378) per kWh
Rate GP & MP	\$	(0.002087) per kWh
Rate PP	\$	1.521963 per kVA
Rate PP	\$	(0.006139) per kWh
Rate OL	\$	(0.006137) per kWh
Rate SL	\$	(0.006290) per kWh
Rate TS	\$	(0.006340) per kWh

Applicable: April, May and June, 2018

Any objection to this filing may be addressed to the following:

Indiana Office of Utility Consumer Counselor (OUCC)

115 W. Washington St., Suite 1500 South

Indianapolis, IN 46204

Toll Free: 1-888-441-2494

Voice/TDD: (317) 232-2494

Fax: (317) 232-5923

www.in.gov/iurc

Indiana Utility Regulatory Commission (IURC)

101 W. Washington St., Suite 1500 East

Indianapolis, IN 46204

Toll Free: 1-800-851-4268

Voice/TDD: (317) 232-2701

Fax: (317) 233-2410

www.in.gov/iurc

CRAWFORDSVILLE ELECTRIC LIGHT & POWER
Crawfordsville, Indiana

Appendix A

Rate Adjustments

The Rate Adjustments shall be on the basis of a Purchase 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:

Residential Service (RS)	\$ (0.004378)	per KWH
Gen. Power & Municipal Power (GP & MP)	\$ (0.002087)	per KWH
Primary Power Service (PP)	\$ 1.521963	per KVA
	\$ (0.006139)	per KWH
Outdoor Lighting (OL)	\$ (0.006137)	per KWH
Street Lighting (SL)	\$ (0.006290)	per KWH
Traffic Lighting (TS)	\$ (0.006340)	per KWH

Applicable: April, May and June, 2018

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

Crawfordsville, Indiana

Appendix B

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

Residential Service	RS	\$ (0.004378)	per KWH
Gen. Power & Municipal Power	GP & MP	\$ (0.002087)	per KWH
Primary Power Service	PP	\$ 1.521963	per KVA
		\$ (0.006139)	per KWH
Outdoor Lighting	OL	\$ (0.006137)	per KWH
Street Lighting	SL	\$ (0.006290)	per KWH
Traffic Lighting	TS	\$ (0.006340)	per KWH

Average Change in Schedule of Rates:

Residential Service	RS	Increase	\$ 0.000120	per KWH
Gen. Power & Municipal Power	GP & MP	Increase	\$ 0.000278	per KWH
Primary Power Service	PP	Decrease	\$ (0.456559)	per KVA
		Increase	\$ 0.000168	per KWH
Outdoor Lighting	OL	Decrease	\$ (0.000042)	per KWH
Street Lighting	SL	Decrease	\$ (0.000218)	per KWH
Traffic Lighting	TS	Decrease	\$ (0.000247)	per KWH

Applicable: April, May and June, 2018

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF INCREMENTAL CHANGE IN BASE RATE

LINE NO.	DESCRIPTION			DEMAND RELATED	ENERGY RELATED	LINE NO.
1	BASE RATE EFFECTIVE 01-Jan-18 (a)			\$23.614	\$0.031875	1
2	BASE RATE EFFECTIVE 01-Jan-15 (b)			\$20.984	\$0.033241	2
3	INCREMENTAL CHANGE IN BASE RATE (c)			\$2.630	(\$0.001366)	3

-
- (a) IMPA rate effective for the period covered by this filing. The Base Rate includes the applicable Delivery Voltage Adjustment.
- (b) Base purchased power rate including Voltage Adjustment effective at the time of the member's last approved rate case was filed or January 27, 1983, whichever is more recent.
- (c) Line 1 - Line 2

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

ESTIMATION OF SAVINGS FROM DEDICATED CAPACITY PAYMENTS
FOR THE THREE MONTHS OF:

	Apr-18	May-18	Jun-18	
LINE NO.	DESCRIPTION		DEMAND RELATED	LINE NO.
1	ESTIMATED MONTHLY GENERATING COSTS (h)		\$0.00	1
2	LESS: MONTHLY GEN COSTS IN BASE RATES (i)		\$0.00	2
3	EST GENERATING COSTS IN TRACKER (a)		\$0.00	3
4	EST MONTHLY PAYMENT FROM IMPA (f)		\$0.00	4
5	LESS: MONTHLY PAYMENTS IN BASE RATES (g)		\$0.00	5
6	EST CAPACITY PAYMENTS IN TRACKER (b)		\$0.00	6
			NOT APPLICABLE	
7	ESTIMATED MONTHLY COSTS/(SAVINGS) (c)		\$0.00	7
8	ESTIMATED AVERAGE MONTHLY KW (d)		60,377	8
9	ESTIMATED COSTS/(SAVINGS) PER KW (e)		\$0.0000	9

Note: The CEL&P Plant was sold as of 12/30/2013 - No cost is estimated for this quarter.

Approved as part of last CEL&P IURC Rate Case Cause #43773 dated 7/28/10.

(a) Line 1 - Line 2

(b) Line 4 - Line 5

(c) Line 3 - Line 6 Times The Number Of Years Since Last Cost Of Service Study

(d) Exhibit III, Column E, Line 1

(e) Line 7 divided by Line 8

(f) Capacity Payments Forecasted by Indiana Municipal Power Agency

(g) Average capacity payments for 12 months ending Month/Year

(h) Estimated Generating Costs (CEL&P no longer receives monthly payment.)

(i) Average generating cost for 12 months ending Month/Year

Exhibit III

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

ESTIMATION OF ENERGY COST ADJUSTMENT
FOR THE THREE MONTHS OF:

LINE NO.	DESCRIPTION	Apr-18 (A)	May-18 (B)	Jun-18 (C)	TOTAL (D)	ESTIMATED 3 MONTH AVERAGE (E)	LINE NO.
	PURCHASED POWER FROM IMPA						
1	KW DEMAND	50,169	61,778	69,183	181,130	60,377	1
2	KWH ENERGY	30,617,747	32,831,578	36,373,103	99,822,428	33,274,143	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW	(0.939)	(0.939)	(0.939)		(0.939)	3
4	CHARGE (a)	(\$47,108.69)	(\$58,009.54)	(\$64,962.84)	(\$170,081.07)	(\$56,693.69)	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH	(0.004650)	(0.004650)	(0.004650)		(0.004650)	5
6	CHARGE (b)	(\$142,372.52)	(\$152,666.84)	(\$169,134.93)	(\$464,174.29)	(\$154,724.76)	6

(a) Line 1 times Line 3

(b) Line 2 times Line 5

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF DEMAND RATE ADJUSTMENT FOR RATE SCHEDULE PP

For the Three Months of: April, May, and June

2018

LINE NO.	Demand Related Adjustment Factors			LINE NO.
	<u>Rate PP</u>			
1	From Attachment B, Page 3 of 3, Column C, Line 3	\$75,269.83		1
2	From Attachment B, Page 2 of 3, Column C, Line 3	43,127.90 kW		2
3	Line 1 divided by Line 2	\$ 1.745270		3
4	Line 3 multiplied by 87.205% *	\$ 1.521963		4
5	Demand Related Rate Adjustment Factor	\$ 1.521963 per KVA		5

* Average Power Factor of the PP class.

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF RATE ADJUSTMENT FOR THE
THREE MONTHS OF
Apr-18 May-18 Jun-18

LINE NO.	DESCRIPTION	DEMAND RELATED (A)	ENERGY RELATED (B)	LINE NO.
1	INCREMENTAL CHANGE IN BASE RATE (a)	\$2.630	-\$0.001366	1
2	ESTIMATED SAVINGS (LOSS) FROM DEDICATED CAPACITY PAYMENTS (b)	\$0.000	--	2
3	ESTIMATED PURCHASED POWER ENERGY COST ADJUSTMENT (c)	(\$0.939)	-\$0.004650	3
4	ESTIMATED TOTAL CHANGE IN PURCHASED POWER RATE	\$1.691	-\$0.006016	4
5	EST CHANGE IN PURCHASED POWER RATE ADJ FOR LOSSES & GR INCOME TAX (d)	\$1.768	-\$0.006288	5
6	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (e)	\$0.000	\$0.000000	6
7	ESTIMATED TOTAL RATE ADJUSTMENT	\$1.768	-\$0.006288	7
8	ESTIMATED AVERAGE BILLING UNITS (f)	60,377	33,274,143	8
9	ESTIMATED INCREMENTAL CHANGE IN PURCHASED POWER COST (g)	\$106,746.54	(\$209,227.81)	9

(a) Exhibit I, Line 3

(b) Exhibit II, Line 9

(c) Exhibit III, Column E, Lines 3 and 5

(d) Line 4 divided by (1 - line loss factor)(0.986)

= 0.9567158

(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

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF RATE ADJUSTMENT FOR THE
THREE MONTHS OF:

LINE NO.	RATE SCHEDULE	KW DEMAND ALLOCATOR (%) (a)	KWH ENERGY ALLOCATOR (%) (a)	Apr-18	May-18	Jun-18	INCREMENTAL CHANGE IN PURCHASED POWER COST ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX			LINE NO.
				ALLOCATED ESTIMATED KW PURCHASED (b)	ALLOCATED ESTIMATED KWH PURCHASED (c)		DEMAND (d)	ENERGY (e)	TOTAL	
		(A)	(B)	(C)	(D)		(E)	(F)	(G)	
1	RS	10.991%	20.332%	6,636.3	6,765,465		\$11,732.92	(\$42,541.24)	(\$30,808.32)	1
2	GP & MP	17.578%	13.793%	10,612.8	4,589,459		\$18,763.42	(\$28,858.52)	(\$10,095.10)	2
3	PP	71.431%	65.257%	43,127.9	21,713,556		\$76,250.20	(\$136,534.84)	(\$60,284.64)	3
4		0.000%	0.000%	0.0	0		\$0.00	\$0.00	\$0.00	4
5	OL	0.000%	0.275%	0.0	91,590		\$0.00	(\$575.92)	(\$575.92)	5
6	SL	0.000%	0.304%	0.0	101,271		\$0.00	(\$636.79)	(\$636.79)	6
7		0.000%	0.000%	0.0	0		\$0.00	\$0.00	\$0.00	7
8		0.000%	0.000%	0.0	0		\$0.00	\$0.00	\$0.00	8
9	TS	0.000%	0.038%	0.0	12,803		\$0.00	(\$80.51)	(\$80.51)	9
10		0.000%	0.000%	0.0	0		\$0.00	\$0.00	\$0.00	10
11										
12	TOTAL	100.000%	100.000%	60,377.0	33,274,144		\$106,746.54	(\$209,227.81)	(\$102,481.27)	13

(a) Taken From Exhibit VII Rate Adjustments

(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

CRAWFORDSVILLE ELECTRIC LIGHT & POWER
DETERMINATION OF RATE ADJUSTMENT FOR THE
THREE MONTHS OF:

				Apr-18	May-18	Jun-18				
LINE NO.	RATE SCHEDULE	PLUS VARIANCE (a)		TOTAL CHANGE IN PURCHASED POWER COST ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX			RATE ADJUSTMENT FACTOR PER KWH (d)			LINE NO.
		DEMAND	ENERGY	DEMAND (b)	ENERGY (c)	TOTAL	DEMAND	ENERGY	TOTAL	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
1	RS	\$3,926.38	(\$2,733.90)	\$15,659.30	(\$45,275.14)	(\$29,615.84)	0.002315	(0.006692)	(0.004378)	1
2	GP & MP	\$983.11	(\$466.10)	\$19,746.53	(\$29,324.62)	(\$9,578.09)	0.004303	(0.006390)	(0.002087)	2
3	PP	(\$980.37)	\$3,232.66	\$75,269.83	(\$133,302.18)	(\$58,032.35)	0.003466	(0.006139)	(0.002673)	3
4		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.000000	0.000000	0.000000	4
5	OL	(\$119.69)	\$133.48	(\$119.69)	(\$442.44)	(\$562.13)	(0.001307)	(0.004831)	(0.006137)	5
6	SL	(\$145.07)	\$144.89	(\$145.07)	(\$491.90)	(\$636.97)	(0.001433)	(0.004857)	(0.006280)	6
7		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.000000	0.000000	0.000000	7
8		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.000000	0.000000	0.000000	
9	TS	(\$2.33)	\$1.67	(\$2.33)	(\$78.84)	(\$81.18)	(0.000182)	(0.006158)	(0.006340)	
10		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.000000	0.000000	0.000000	
11										
12	TOTAL	\$3,662.02	\$312.69	\$110,408.56	(\$208,915.12)	(\$98,506.56)	0.003318	(0.006279)	(0.002960)	10

- (a) Exhibit IV, Page 4 of 7, Columns D and E divided by (1 - loss factor)(.986) = 0.9567158
(b) Page 2 of 3, Column E plus Page 3 of 3, Column A
(c) Page 2 of 3, Column F 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
(f) See Attachment (B)

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF

		Oct-17	Nov-17	Dec-17	
LINE NO.	DESCRIPTION				LINE NO.
			DEMAND RELATED (A)	ENERGY RELATED (B)	
1	INCREMENTAL CHANGE IN BASE RATE (a)		\$1.981	(\$0.002676)	1
2	ACTUAL SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)		\$0.000	--	2
3	ACTUAL PURCHASED POWER ENERGY COST ADJUSTMENT (c)		\$0.416	(\$0.001775)	3
4	TOTAL RATE ADJUSTMENT (d)		\$2.397	(\$0.004451)	4
5	ACTUAL AVERAGE BILLING UNITS (e)		53,498	32,800,996	5
6	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (f)		\$128,234.71	(\$145,997.23)	6

(a) Attachment 1, Page 1 of 3, Line 1 of Tracker filing for the three months of:
Oct-17 Nov-17 Dec-17

(b) Exhibit IV, Page 5 of 7, Column E, Line 9

(c) Exhibit IV, Page 6 of 7, Column E, Lines 3 and 5

(d) Sum of Lines 1 through 4

(e) Exhibit IV, Page 6 of 7, Column E, Lines 1 and 2

(f) Line 5 times Line 6

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF:

				Oct-17	Nov-17	Dec-17			
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)			DEMAND (d)	ENERGY (e)	TOTAL	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	
1	RS	10.991%	20.332%	5,880.2	6,669,262	\$14,094.77	(\$29,684.88)	(\$15,590.11)	1
2	GP & MP	17.578%	13.793%	9,403.6	4,524,198	\$22,540.51	(\$20,137.21)	\$2,403.30	2
3	PP	71.431%	65.257%	38,214.2	21,404,796	\$91,599.43	(\$95,272.75)	(\$3,673.32)	3
4		0.000%	0.000%	0.0	0	\$0.00	\$0.00	\$0.00	4
5	OL	0.000%	0.275%	0.0	90,287	\$0.00	(\$401.87)	(\$401.87)	5
6	SL	0.000%	0.304%	0.0	99,831	\$0.00	(\$444.35)	(\$444.35)	6
7		0.000%	0.000%	0.0	0	\$0.00	\$0.00	\$0.00	7
8		0.000%	0.000%	0.0	0	\$0.00	\$0.00	\$0.00	8
9	TS	0.000%	0.038%	0.0	12,621	\$0.00	(\$56.18)	(\$56.18)	9
10		0.000%	0.000%	0.0	0	\$0.00	\$0.00	\$0.00	10
11									11
12	TOTAL	100.000%	100.000%	53,498.0	32,800,996	\$128,234.71	(\$145,997.23)	(\$17,762.52)	12

(a) Adjusted allocators from Exhibit VII Rows (14) and (19) for the year 1900
(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

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF:

LINE NO.	RATE SCHEDULE			Oct-17	Nov-17	Dec-17			LESS PREVIOUS VARIANCE FOR MONTHS LISTED ABOVE		LINE NO.
		ACTUAL AVERAGE KWH	ACTUAL AVERAGE KVA	DEMAND ADJUSTMENT	ENERGY ADJUSTMENT	INCREMENTAL KW DEMAND	INCREMENTAL KWH ENERGY				
		SALES (a)	SALES (a)	FACTOR PER	FACTOR PER	COST BILLED	COST BILLED				
		(A)	(A)	KWH (b)	KWH (c)	BY MEMBER (d)	BY MEMBER (e)	DEMAND (f)	ENERGY (g)		
				(B)	(C)	(D)	(E)	(F)	(G)		
1	RS	5,992,787	-	0.006374	(0.005483)	\$37,663.25	(\$32,398.43)	\$27,324.91	(\$5,329.12)	1	
2	GP & MP	4,283,432	-	0.004644	(0.004638)	\$19,613.77	(\$19,588.43)	(\$1,986.19)	\$102.86	2	
3	PP	21,398,513	42,897.16	1.978971	(0.004612)	\$83,703.74	(\$97,308.28)	(\$8,833.62)	\$1,057.20	3	
4		0	-	0.000000	0.000000	\$0.00	\$0.00	\$0.00	\$0.00	4	
5	OL	110,578	-	0.005699	(0.005719)	\$621.38	(\$623.54)	\$506.85	(\$93.97)	5	
6	SL	122,853	-	0.005165	(0.005341)	\$625.65	(\$646.97)	\$486.86	(\$64.00)	6	
7		0	-	0.000000	0.000000	\$0.00	\$0.00	\$0.00	\$0.00	7	
8		0	-	0.000000	0.000000	\$0.00	\$0.00	\$0.00	\$0.00	8	
9	TS	12,599	-	0.004966	(0.004336)	\$61.69	(\$53.86)	\$59.46	\$3.91	9	
10		0	-	0.000000	0.000000	\$0.00	\$0.00	\$0.00	\$0.00	10	
11										11	
12	TOTAL	31,920,762	42,897			\$142,289.47	(\$150,619.52)	\$17,558.27	(\$4,323.12)	12	

(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 Gross Income Tax Factor of:

(e) Column A times Column C times the Gross Income Tax Factor of:

(f) Exhibit IV, Page 4 of 7, Column D of Tracker Filing for the months of:

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

Oct-17	Nov-17	Dec-17
Oct-17	Nov-17	Dec-17
0.986		
0.986		
Oct-17	Nov-17	Dec-17
Oct-17	Nov-17	Dec-17

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF:

Oct-17 Nov-17 Dec-17

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	RS	\$10,338.34	(\$27,069.31)	(\$16,730.97)	\$3,756.43	(\$2,615.57)	\$1,140.86	1
2	GP & MP	\$21,599.96	(\$19,691.29)	\$1,908.67	\$940.55	(\$445.92)	\$494.63	2
3	PP	\$92,537.36	(\$98,365.48)	(\$5,828.12)	(\$937.93)	\$3,092.73	\$2,154.80	3
4		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	4
5	OL	\$114.51	(\$529.57)	(\$415.06)	(\$114.51)	\$127.70	\$13.19	5
6	SL	\$138.79	(\$582.97)	(\$444.18)	(\$138.79)	\$138.62	(\$0.17)	6
7		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	7
8		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	8
9	TS	\$2.23	(\$57.77)	(\$55.54)	(\$2.23)	\$1.59	(\$0.64)	9
10		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	10
11								11
12	TOTAL	\$124,731.20	(\$146,296.40)	(\$21,565.20)	\$3,503.51	\$299.16	\$3,802.67	12

(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

CRAWFORDSVILLE ELECTRIC LIGHT & POWER
DETERMINATION OF ACTUAL DEDICATED CAPACITY PAYMENTS
FOR THE THREE MONTHS OF

LINE NO.	DESCRIPTION	Oct-17	Nov-17	Dec-17	TOTAL (D)	AVERAGE (E)	LINE NO.
		October (A)	November (B)	December (C)			
1	ACTUAL MEMBER GENERATING COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	1
2	LESS: GENERATING COSTS IN BASE RATES	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	2
3	DIFFERENCE IN ACTUAL TO BASE RATE COSTS (a)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	3
4	ACTUAL MONTHLY PAYMENT FROM IMPA	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	4
5	LESS: ESTIMATED PAYMENT IN BASE RATES (f)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	5
6	DIFFERENCE IN ACTUAL TO BASE RATE PAYMENT (b)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	6
7	ACTUAL CAPACITY PAYMENT SAVINGS TO BE COLLECTED THROUGH THE TRACKER (c)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	7
8	ACTUAL MONTHLY KW BILLED (d)	55,806	50,552	54,135	160,493	53,498	8
9	ACTUAL CAPACITY PAYMENT SAVINGS PER KW (e)	\$0.000	\$0.000	\$0.000		\$0.000	9

(a) Line 1 minus Line 2
(b) Line 4 minus Line 5
(c) Line 3 minus Line 6
(d) Exhibit IV, Page 6 of 7, Line 1
(e) Line 7 divided by Line 8
(f) Exhibit II, Line 5

NOTE: This exhibit is only applicable to a municipal utility with generation.

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

DETERMINATION OF ACTUAL ENERGY COST ADJUSTMENT
FROM HISTORICAL DATA

LINE NO.	DESCRIPTION	Oct-17 (A)	Nov-17 (B)	Dec-17 (C)	TOTAL (D)	ACTUAL 3 MONTH AVERAGE (E)	LINE NO.
	PURCHASED POWER FROM IMPA						
1	KW DEMAND (a)	55,806	50,552	54,135	160,493	53,498	1
2	KWH ENERGY (a)	32,748,864	31,596,056	34,058,067	98,402,987	32,800,996	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW (a)	0.416	0.416	0.416		0.416	3
4	CHARGE (b)	\$23,215.30	\$21,029.63	\$22,520.16	\$66,765.09	\$22,255.03	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH (a)	(0.001775)	(0.001775)	(0.001775)		(0.001775)	5
6	CHARGE (c)	(\$58,129.23)	(\$56,083.00)	(\$60,453.07)	(\$174,665.30)	(\$58,221.77)	6

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

Oct-17

Nov-17

Dec-17

CRAWFORDSVILLE ELECTRIC LIGHT & POWER
DETERMINATION OF ACTUAL AVERAGE KWH SALES
HISTORICAL DATA

LINE NO.	RATE SCHEDULE	Oct-17 (A)	Nov-17 (B)	Dec-17 (C)	TOTAL (D)	AVERAGE (E)	LINE NO.
1	RS	6,588,377	5,114,212	6,275,773	17,978,362	5,992,787	1
2	GP & MP	4,767,536	3,908,112	4,174,649	12,850,297	4,283,432	2
3	PP	21,588,304	21,264,844	21,342,392	64,195,540	21,398,513	3
4		0	0	0	0	0	4
5	OL	102,990	109,238	119,507	331,735	110,578	5
6	SL	114,329	121,451	132,779	368,559	122,853	6
7		0	0	0	0	0	7
8		0	0	0	0	0	8
9	TS	12,599	12,599	12,599	37,797	12,599	9
10		0	0	0	0	0	10
11							11
12	TOTAL	33,174,135	30,530,456	32,057,699	95,762,290	31,920,762	12

DETERMINATION OF ACTUAL AVERAGE KW/KVA SALES

		Oct-17	Nov-17	Dec-17	TOTAL	AVERAGE	
13		0	0	0	0	0	13
14		0	0	0	0	0	14
15	PP	NCF 44,992	42,715	40,985	128,691	42,897	15
16	0 NCF	0	0	0	0	0	16
17		0	0	0	0	0	17
18		0	0	0	0	0	18
19		0	0	0	0	0	19
20		0	0	0	0	0	20
21		0	0	0	0	0	21
22							22
23		44,992	42,715	40,985	128,691	42,897	23

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

Crawfordsville, Indiana

CALCULATION OF LINE LOSS FACTOR FOR YEAR 2017

Month	Metered kWh Sold	IMPA Metered kWh Purchased
January	32,675,246	35,099,919
February	32,559,516	30,111,060
March	29,357,868	32,906,011
April	32,018,603	30,082,965
May	29,418,825	32,293,997
June	30,509,996	35,990,720
July	36,307,574	38,822,069
August	36,700,785	37,494,562
September	35,923,540	33,751,904
October	32,944,217	32,748,864
November	30,287,168	31,596,056
December	31,792,814	34,058,067
Subtotal	390,496,152	404,956,194
Other Adjustments (ie Unmetered sales)	2,428,625	0
Total	392,924,777	404,956,194
Estimated Losses kWh		12,031,417
Line Loss as percent of total purchases		2.97%

CRAWFORDSVILLE ELECTRIC LIGHT & POWER

Crawfordsville, Indiana

VERIFICATION FOR FUTURE USE OF KW DEMAND ALLOCATION AND KWH ENERGY ALLOCATION FACTORS IN COMPLIANCE
WITH ORDERING PARAGRAPH 7 OF IURC CAUSE NO. 36835-S2, DATED MAY 2, 1984

Line No.	Month	Residential Service RS (A)	Municipal Power GP & MP (B)	Primary Power Service PP (C)	(D)	Outdoor Lighting OL (E)	Street Lighting SL (F)	Traffic Lighting TS (G)	Total (H)	
1	January	9,025,696	5,110,798	18,538,752		114,835	125,525	12,599	32,928,205	
2	February	7,200,582	4,507,940	20,850,994		96,018	104,440	12,599	32,772,573	
3	March	5,555,503	3,808,496	19,993,869		96,429	107,037	12,599	29,573,933	
4	April*	6,455,359	4,504,501	21,058,743		78,630	87,335	12,599	32,197,167	
5	May	4,349,303	3,743,060	21,326,462		89,687	77,460	12,599	29,578,571	
6	June	5,769,122	4,295,980	20,444,894		60,627	66,999	12,599	30,650,221	
7	July	8,245,233	5,247,319	22,815,022		67,629	74,552	12,599	36,462,354	
8	August	8,059,689	5,000,893	23,640,203		78,624	86,885	12,599	36,878,893	
9	September	7,252,574	5,126,314	23,544,652		87,344	97,087	12,599	36,120,570	
10	October	6,588,377	4,767,536	21,588,304		102,990	114,329	12,599	33,174,135	
11	November	5,114,212	3,908,112	21,264,844		109,238	121,451	12,599	30,530,456	
12	December	6,275,773	4,174,649	21,342,392		119,507	132,779	12,599	32,057,699	
13	Total	79,891,423	54,195,598	256,409,131	0	1,081,558	1,195,879	151,188	392,924,777	
14	Percent of Total	(b)	20.3325%	13.7929%	65.2565%	0.0000%	0.2753%	0.3044%	0.0385%	100.0000%
15	kWh Energy Factors	(a)	21.467%	14.028%	63.886%	0.000%	0.284%	0.296%	0.040%	100.0000%
16	Percent Variance	(c)	-5.286%	-1.675%	2.145%	0.000%	-2.921%	2.968%	-2.858%	
17	kW Demand Factors	(a)	11.673%	17.983%	70.344%	0.000%	0.000%	0.000%	0.000%	100.0000%
18	Adjusted Factors	(d)	11.056%	17.681%	71.853%	0.000%	0.000%	0.000%	0.000%	100.591%
19	Percent of Total	(e)	10.991%	17.578%	71.431%	0.000%	0.000%	0.000%	0.000%	100.0000%

* Billing period realignment, meter read dates shifted.

(a) Taken from Cost of Service Study based on Twelve Month Period ending December, 2014.

(b) kWh sales by rate classification expressed as a percent of total kWh sales for the year 2014. Proposed kWh Energy allocator for year 2016.

(c) (Line 14/ Line 15)-1.

(d) (1+ Line 16) * Line 17.

(e) (Line 18) / (Line 18, column H). Proposed kW Demand allocator for year 2015.

**INDIANA MUNICIPAL POWER AGENCY
ECA ESTIMATES FOR APRIL, MAY and JUNE
2018 - 2ND QUARTER**

	APR	MAY	JUN	APR	MAY	JUN
	<u>\$/kW-month</u>			<u>\$/kWh</u>		
IMPA's Energy Cost Adjustment	(0.939)	(0.939)	(0.939)	(0.004650)	(0.004650)	(0.004650)
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for CRAWFORDSVILLE	<u>kW</u>			<u>kWh</u>		
	50,169	61,778	69,183	30,617,747	32,831,578	36,373,103

1/9/2018



IMPA

INDIANA MUNICIPAL POWER AGENCY

Crawfordsville Electric Light & Power
P.O. Box 428
Crawfordsville, IN 47933

Due Date:	Amount Due:
12/14/2017	\$ 2,247,772.19

Billing Period: October 1 to 31, 2017

Invoice No: INV0007912
Invoice Date: 11/14/2017

Summary of Charges

Demand Charges:	\$ 1,304,800.09
Energy Charges:	\$ 942,839.80
Subtotal - Purchased Power Charges*:	\$ 2,247,639.89
Other Charges and Credits:	\$ 132.30
Net Amount Due:	\$ 2,247,772.19

* Average Purchased Power Cost: 6.86 cents per kWh

Due Date:	Amount Due:
12/14/2017	\$ 2,247,772.19

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 12/14/17
Questions, please call: 317-573-9955

Send ACH or Wire payments to:
PNC Bank
ABA# 071921891 (ACH) or ABA# 041000124 (Wire)
Bank Account 4803452201

- OR -

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

Indiana Municipal Power Agency - Billing Detail
Crawfordsville Electric Light & Power
Billing Period: October 1 to 31, 2017

Due Date:	Amount Due:
12/14/2017	\$ 2,247,772.19

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	57,451	7,306	99.20%	10/03/17	1400	76.62%
CP Billing Demand:	55,806	3,255	99.83%	10/03/17	1600	78.88%
kvar at 97% PF:		13,986				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.965 / kW x		55,806	\$	1,281,584.79
ECA Demand Charge:	\$	0.416 / kW x		55,806	\$	23,215.30
Total Demand Charges:						<u>\$ 1,304,800.09</u>

Energy			
Energy Information	kWh		
CELP #1:	18,795,096		
CELP #2:	13,628,232		
Crawfordsville Solar:	325,536		
Total Energy:	<u>32,748,864</u>		
Energy Charges	Rate		Charge
Base Energy Charge:	\$	0.030565 / kWh x	\$ 1,000,969.03
ECA Energy Charge:	\$	(0.001775) / kWh x	\$ (58,129.23)
Total Energy Charges:			<u>\$ 942,839.80</u>

Other Charges and Credits	
Other Charges and Credits	
Green Power Program - 14,700 kWh * \$0.009 per kWh:	\$ 132.30
Total Other Charges and Credits:	<u>\$ 132.30</u>

History			
	Oct 2017	Oct 2016	2017 YTD
Max Demand (kW):	57,451	58,599	71,026
CP Demand (kW):	55,806	58,190	70,522
Energy (kWh):	32,748,864	32,652,521	339,302,071
CP Load Factor:	78.88%	75.42%	
HDD/CDD (Lafayette):	268/44	237/33	



IMPA

INDIANA MUNICIPAL POWER AGENCY

Crawfordsville Electric Light & Power
P.O. Box 428
Crawfordsville, IN 47933

Due Date:	Amount Due:
1/15/2018	\$ 2,091,739.06

Billing Period: November 1 to 30, 2017

Invoice No: INV0007997
Invoice Date: 12/14/2017

Summary of Charges	
Demand Charges:	\$ 1,181,956.31
Energy Charges:	\$ 909,650.45
Subtotal - Purchased Power Charges*:	\$ 2,091,606.76
Other Charges and Credits:	\$ 132.30
Net Amount Due:	<u>\$ 2,091,739.06</u>

*Average Purchased Power Cost: 6.62 cents per kWh

Due Date:	Amount Due:
1/15/2018	\$ 2,091,739.06

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 01/15/18
Questions, please call: 317-573-9955

Send ACH or Wire payments to:
PNC Bank
ABA# 071921891 (ACH) or ABA# 041000124 (Wire)
Bank Account 4803452201

- OR -

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

Indiana Municipal Power Agency - Billing Detail
Crawfordsville Electric Light & Power
Billing Period: November 1 to 30, 2017

Due Date: 1/15/2018	Amount Due: \$ 2,091,739.06
-------------------------------	---------------------------------------

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	51,282	4,411	99.63%	11/10/17	1000	85.57%
CP Billing Demand:	50,552	5,050	99.50%	11/20/17	800	86.81%
kvar at 97% PF:		12,670				
Reactive Demand:		-				
Demand Charges						
	Rate		Units		Charge	
Base Demand Charge:	\$	22.965 / kW	x	50,552	\$	1,160,926.68
ECA Demand Charge:	\$	0.416 / kW	x	50,552	\$	21,029.63
Total Demand Charges:					<u>\$ 1,181,956.31</u>	

Energy				
Energy Information		kWh		
CELP #1:		17,923,932		
CELP #2:		13,403,952		
Crawfordsville Solar:		268,172		
Total Energy:			<u>31,596,056</u>	
Energy Charges		Rate	Units	Charge
Base Energy Charge:		\$ 0.030565 / kWh x	31,596,056	\$ 965,733.45
ECA Energy Charge:		\$ (0.001775) / kWh x	31,596,056	\$ (56,083.00)
Total Energy Charges:				<u>\$ 909,650.45</u>

Other Charges and Credits	
Other Charges and Credits	
Green Power Program - 14,700 kWh * \$0.009 per kWh:	\$ 132.30
Total Other Charges and Credits:	<u>\$ 132.30</u>

History			
	Nov 2017	Nov 2016	2017 YTD
Max Demand (kW):	51,282	51,458	71,026
CP Demand (kW):	50,552	50,977	70,522
Energy (kWh):	31,596,056	30,921,423	370,898,127
CP Load Factor:	86.81%	84.25%	
HDD/CDD (Lafayette):	699/0	574/3	



IMPA

INDIANA MUNICIPAL POWER AGENCY

Crawfordsville Electric Light & Power
P.O. Box 428
Crawfordsville, IN 47933

Due Date:	Amount Due:
2/14/2018	\$ 2,246,385.49

Billing Period: December 1 to 31, 2017

Invoice No: INV0008083
Invoice Date: 1/15/2018

Summary of Charges	
Demand Charges:	\$ 1,265,730.44
Energy Charges:	\$ 980,531.75
Subtotal - Purchased Power Charges*:	\$ 2,246,262.19
Other Charges and Credits:	\$ 123.30
Net Amount Due:	\$ 2,246,385.49

*Average Purchased Power Cost: 6.60 cents per kWh

Due Date:	Amount Due:
2/14/2018	\$ 2,246,385.49

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 02/14/18
Questions, please call: 317-573-9955

Send ACH or Wire payments to:
PNC Bank
ABA# 071921891 (ACH) or ABA# 041000124 (Wire)
Bank Account 4803452201

- OR -

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

Indiana Municipal Power Agency - Billing Detail
Crawfordsville Electric Light & Power
Billing Period: December 1 to 31, 2017

Due Date:	Amount Due:
2/14/2018	\$ 2,246,385.49

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	54,423	3,232	99.82%	12/12/17	1900	84.11%
CP Billing Demand:	54,135	3,304	99.81%	12/27/17	1900	84.56%
kvar at 97% PF:		13,568				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.965 / kW x	54,135		\$	1,243,210.28
ECA Demand Charge:	\$	0.416 / kW x	54,135		\$	22,520.16
Total Demand Charges:					\$	1,265,730.44

Energy						
Energy Information	kWh					
CELP #1:	19,363,968					
CELP #2:	14,516,064					
Crawfordsville Solar:	178,035					
Total Energy:	34,058,067					
Energy Charges	Rate		Units		Charge	
Base Energy Charge:	\$	0.030565 / kWh x	34,058,067		\$	1,040,984.82
ECA Energy Charge:	\$	(0.001775) / kWh x	34,058,067		\$	(60,453.07)
Total Energy Charges:					\$	980,531.75

Other Charges and Credits						
Other Charges and Credits						
Green Power Program - 13,700 kWh * \$0.009 per kWh:					\$	123.30
Total Other Charges and Credits:					\$	123.30

History			
	Dec 2017	Dec 2016	2017 YTD
Max Demand (kW):	54,423	59,402	71,026
CP Demand (kW):	54,135	58,738	70,522
Energy (kWh):	34,058,067	34,577,916	404,956,194
CP Load Factor:	84.56%	79.12%	
HDD/CDD (Lafayette):	1164/0	1138/0	