



RICHMOND POWER & LIGHT

www.RP-L.com

2000 U.S. 27 SOUTH
P.O. BOX 908
RICHMOND, INDIANA 47375-0908
(765) 973-7200 FAX (765) 973-7286

February 27, 2018

Via Electronic Filing – 30 Day Filings – Electric

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

RE: Richmond Power & Light 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 Richmond Power & Light: 2nd Quarter 2018 ECA. The tariff sheets and work papers are attached. The purpose of this filing is to obtain approval from the Commission. This filing is necessary to allow Richmond Power & Light to recapture the actual costs of providing electricity. This filing is allowed under 170 IAC 1-6-3 for the following reasons: A filing for which the commission has already approved or accepted the procedure for the change.

The person at Richmond Power & Light to be contacted regarding this filing is:

Sandra Lambert
(765) 973-7200
2000 US 27 S, P.O. Box 908, Richmond, IN 47375-0908
sandral@rp-l.com

Affected customers have been notified as required under 170 IAC 1-6-6. Notice will be published in the Palladium Item on Thursday March 1, 2018. Notice has been posted in a public place in the Richmond Power & Light customer service office. Notice has also been posted on the Richmond Power & Light website at <http://www.rp-l.com/>. 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,

Sandra Lambert
Finance Manager





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(765) 973-7200 FAX (765) 973-7286

February 26, 2018

Brad Borum
Indiana Utility Regulatory Commission
Electricity Division
PNC Center
101 West Washington Street
Suite 1500 East
Indianapolis, IN 46204-3407

TO THE INDIANA UTILITY REGULATORY COMMISSION:

1. Richmond Power & Light, 2000 U.S. 27 South, Richmond, 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 Utility Regulatory Commission for its approval, an average decrease in its schedule of rates for electricity sold in the amount of \$0.000107 per kilowatt-hour (KWH).
2. The accompanying changes in schedules 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.

City of Richmond, Indiana

Randall Baker
General Manager



RICHMOND POWER & LIGHT

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:

R	\$	0.036144	per KWH
CL	\$	0.057303	per KWH
GP, GEH and EHS	\$	0.035918	per KWH
LPS and IS	\$	13.223026	per KVA
	\$	15.568040	per KW
	\$	0.011622	per KWH
OL, M, and N	\$	0.011638	per KWH

April , May and June 2018

LEGAL AD

Notice is hereby given that the municipal electric utility of the City of Richmond, Indiana known as Richmond Power and Light, under and pursuant to the Public Service Commission Act, as amended, and Commission Order in Cause No. 36835-S3, has filed with the Indiana Utility Regulatory Commission for its approval in the Rate Adjustment factors listed below by Rate Schedules:

R	\$ 0.036144	per KWH
CL	\$ 0.057303	per KWH
GP, GEH, and EHS	\$ 0.035918	per KWH
LPS and IS	\$ 13.223026	per KVA
	\$ 15.568040	per KW
	\$ 0.011622	per KWH
OL, M, and N	\$ 0.011638	per KWH

Rate adjustment changes are listed below by Rate Schedules:

R	decrease	\$ 0.005614	per KWH
CL	decrease	\$ 0.010971	per KWH
GP, GEH, and EHS	decrease	\$ 0.005506	per KWH
LPS and IS	decrease	\$ 0.058056	per KVA
	decrease	\$ 0.068351	per KW
	increase	\$ 0.000578	per KWH
OL, M, and N	increase	\$ 0.000603	per KWH

The accompanying changes in schedules of rate are based solely upon the changes in the cost of purchased power and energy, purchased by this utility computed in accordance with the Public Service Commission of Indiana order in Cause No. 36835-S3, dated December 13, 1989.

If approved, this change of rate shall take effect for the bills to be rendered beginning with the April 2018 billing cycle.

Richmond Power and Light
City of Richmond, Indiana
Randy Baker, General Manager

Any objections can be made to either of the following:

Indiana Utility Regulatory Commission	Office of Utility Consumer Counselor
PNC Center	PNC Center
101 W. Washington Street	115 W. Washington Street
Suite 1500 East	Suite 1500 South
Indianapolis, IN 46204-3407	Indianapolis, IN 46204-3407

[illegible]

Randy Baker personally appeared before me, a Notary Public in and for said county and state, this February 26, 2018, who, after having been duly sworn according to law, stated that he is an officer of the City of Richmond, 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.


Randall Baker, General Manager


Susan K. Alexander, Notary Public

My Commission Expires: June 7, 2024

My County of Residence: Wayne

CITY OF RICHMOND, INDIANA

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-Apr-05	(b)	\$10.582	\$0.016552	2
3	INCREMENTAL CHANGE IN BASE RATE (c)			\$13.032	\$0.015323	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.

(c) Line 1 - Line 2

CITY OF RICHMOND, INDIANA

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)	\$554,246.00	2
3	EST GENERATING COSTS IN TRACKER (a)	(\$554,246.00)	3
4	EST MONTHLY PAYMENT FROM IMPA (f)	\$0.00	4
5	LESS: MONTHLY PAYMENTS IN BASE RATES (g)	\$632,538.00	5
6	EST CAPACITY PAYMENTS IN TRACKER (b)	(\$632,538.00)	6
7	ESTIMATED MONTHLY COSTS/(SAVINGS) (c)	\$78,292.00	7
8	ESTIMATED AVERAGE MONTHLY KW (d)	127,474	8
9	ESTIMATED COSTS/(SAVINGS) PER KW (e)	\$0.614180	9

(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 March, 2004

(h) Estimated Generating Costs (see attachment)

(i) Average generating cost for 12 months ending March, 2004

CITY OF RICHMOND, INDIANA
ESTIMATION OF ENERGY COST ADJUSTMENT
FOR THE THREE MONTHS OF:

LINE NO.	DESCRIPTION	Apr-18	May-18	Jun-18	TOTAL	ESTIMATED 3 MONTH AVERAGE	LINE NO.
		(A)	(B)	(C)	(D)	(E)	
	PURCHASED POWER FROM IMPA						
1	KW DEMAND	118,806	124,200	139,415	382,421	127,474	1
2	KWH ENERGY	67,967,468	71,681,522	73,354,128	213,003,118	71,001,039	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW	(0.939)	(0.939)	(0.939)		(0.939)	3
4	CHARGE (a)	(\$111,558.83)	(\$116,623.80)	(\$130,910.69)	(\$359,093.32)	(\$119,697.77)	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH	(0.004650)	(0.004650)	(0.004650)		(0.004650)	5
6	CHARGE (b)	(\$316,048.73)	(\$333,319.08)	(\$341,096.70)	(\$990,464.50)	(\$330,154.83)	6

(a) Line 1 times Line 3

(b) Line 2 times Line 5

CITY OF RICHMOND, INDIANA

DETERMINATION OF RATE ADJUSTMENT FOR THE
THREE MONTHS OF

Apr-18

May-18

Jun-18

LINE NO.	DESCRIPTION	DEMAND RELATED	ENERGY RELATED	LINE NO.
		(A)	(B)	
1	INCREMENTAL CHANGE IN BASE RATE (a)	\$13.032	\$0.015323	1
2	ESTIMATED SAVINGS (LOSS) FROM DEDICATED CAPACITY PAYMENTS (b)	\$0.614180	--	2
3	ESTIMATED PURCHASED POWER ENERGY COST ADJUSTMENT (c)	(\$0.938998)	-\$0.004650	3
4	ESTIMATED TOTAL CHANGE IN PURCHASED POWER RATE	\$12.707182	\$0.010673	4
5	EST CHANGE IN PURCHASED POWER RATE ADJ FOR LOSSES & GR INCOME TAX (d)	\$13.328563	\$0.011195	5
6	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (e)	\$0.000	\$0.000000	6
7	ESTIMATED TOTAL RATE ADJUSTMENT	\$13.328563	\$0.011195	7
8	ESTIMATED AVERAGE BILLING UNITS (f)	127,474	71,001,039	8
9	ESTIMATED INCREMENTAL CHANGE IN PURCHASED POWER COST (g)	\$1,699,045.24	\$794,856.63	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)

= 0.953379759

(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 RICHMOND, INDIANA

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	
				(C)	(D)		(E)	(F)	(G)	
1	R	20.892%	20.613%	26,632.3	14,635,380		\$354,970.11	\$163,843.08	\$518,813.19	1
2	CL	7.610%	4.030%	9,700.6	2,861,581		\$129,294.69	\$32,035.40	\$161,330.09	2
3	GP, GEH & EHS	16.214%	16.165%	20,669.0	11,477,345		\$275,487.67	\$128,488.88	\$403,976.55	3
4	LPS, IS & TS	55.284%	57.911%	70,472.2	41,117,402		\$939,292.77	\$460,309.31	\$1,399,602.08	4
5	FLAT RATES	0.000%	1.281%	0.0	909,332		\$0.00	\$10,179.97	\$10,179.97	5
6	0	0.000%	0.000%	0.0	0		\$0.00	\$0.00	\$0.00	6
7	0	0.000%	0.000%	0.0	0		\$0.00	\$0.00	\$0.00	7
8	0	0.000%	0.000%	0.0	0		\$0.00	\$0.00	\$0.00	8
10	TOTAL	100.000%	100.000%	127,474.1	71,001,040		\$1,699,045.24	\$794,856.63	\$2,493,901.87	10

(a) Taken From Demand & Energy Allocation factor study for the period ending March 31, 2004

(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

CITY OF RICHMOND, INDIANA

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	R	\$3,554.14	\$6,607.99	\$358,524.25	\$170,451.07	\$528,975.32	0.024497	0.011647	0.036144	1
2	CL	\$1,361.61	\$1,286.30	\$130,656.30	\$33,321.70	\$163,978.00	0.045659	0.011645	0.057303	2
3	GP, GEH & EHS	\$3,185.13	\$5,079.59	\$278,672.80	\$133,568.47	\$412,241.26	0.024280	0.011638	0.035918	3
4	LPS, IS & TS	\$157,821.28	\$17,560.57	\$1,097,114.05	\$477,869.88	\$1,574,983.93	0.026682	0.011622	0.038305	(f) 4
5	FLAT RATES	(\$0.02)	\$403.26	(\$0.02)	\$10,583.23	\$10,583.21	0.000000	0.011638	0.011638	5
6	0			\$0.00	\$0.00	\$0.00	0.000000	0.000000	0.000000	6
7	0			\$0.00	\$0.00	\$0.00	0.000000	0.000000	0.000000	7
8	0			\$0.00	\$0.00	\$0.00	0.000000	0.000000	0.000000	8
10	TOTAL	\$165,922.14	\$30,937.70	\$1,864,967.38	\$825,794.33	\$2,690,761.71	0.026267	0.011631	0.037897	10

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

0.953379759

(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)

CITY OF RICHMOND, INDIANA

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF

LINE NO.	DESCRIPTION	Oct-17	Nov-17	Dec-17	LINE NO.
			DEMAND RELATED	ENERGY RELATED	
			(A)	(B)	
1	INCREMENTAL CHANGE IN BASE RATE (a)		\$12.383	\$0.0140130	1
2	ACTUAL SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)		\$0.996	--	2
3	ACTUAL PURCHASED POWER ENERGY COST ADJUSTMENT (c)		\$0.416	(\$0.0017750)	3
4	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (d)		\$0.000	\$0.0000000	4
5	TOTAL RATE ADJUSTMENT (e)		\$13.795	\$0.0122380	5
6	ACTUAL AVERAGE BILLING UNITS (f)		124,093	71,772,048	6
7	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		\$1,711,818.14	\$878,346.32	7

(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) Tracking Factor effective prior to January 27, 1983
From page 1 of 3, line 6 Tracker filing for the
three months of APRIL, MAY AND JUNE 2005

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

CITY OF RICHMOND, INDIANA
RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF:

LINE NO.	RATE SCHEDULE	KW DEMAND ALLOCATOR (%) (a)	KWH ENERGY ALLOCATOR (%) (a)	Oct-17	Nov-17	Dec-17	INCREMENTAL CHANGE IN PURCHASED POWER COST			LINE NO.
				ALLOCATED ACTUAL KW PURCHASED (b)	ALLOCATED ACTUAL KWH PURCHASED (c)		DEMAND (d)	ENERGY (e)	TOTAL	
				(C)	(D)	(E)	(F)	(G)	(G)	
1	R	20.892%	20.613%	25,925.9	14,794,307	\$357,638.66	\$181,052.73	\$538,691.39		1
2	CL	7.610%	4.030%	9,443.3	2,892,655	\$130,266.69	\$35,400.31	\$165,667.00		2
3	GP, GEH & EHS	16.214%	16.165%	20,120.8	11,601,979	\$277,558.70	\$141,985.02	\$419,543.72		3
4	LPS, IS & TS	55.284%	57.911%	68,603.0	41,563,901	\$946,354.08	\$508,659.01	\$1,455,013.09		4
5	FLAT RATES	0.000%	1.281%	0.0	919,206	\$0.00	\$11,249.25	\$11,249.25		5
6		0.000%	0.000%	0.0	0	\$0.00	\$0.00	\$0.00		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
10	TOTAL	100.000%	100.000%	124,093.0	71,772,048	\$1,711,818.14	\$878,346.32	\$2,590,164.46		10

- (a) Page 2 of 3, Columns A and B of tracker filed for the months of Oct-17
(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

Nov-17 Dec-17

CITY OF RICHMOND, INDIANA

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF:

LINE NO.	RATE SCHEDULE	ACTUAL AVERAGE KWH SALES (a)	ACTUAL AVERAGE KVA SALES (a)	Oct-17	Nov-17	Dec-17	INCREMENTAL KWH ENERGY COST BILLED BY MEMBER (e)	LESS PREVIOUS VARIANCE FOR MONTHS LISTED ABOVE		LINE NO.
				DEMAND ADJUSTMENT FACTOR PER KWH (b)	ENERGY ADJUSTMENT FACTOR PER KWH (c)	INCREMENTAL KW DEMAND COST BILLED BY MEMBER (d)		DEMAND (f)	ENERGY (g)	
-		(A)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	-
1	R	13,782,475		0.026329	0.012807	\$357,798.48	\$174,040.99	\$3,548.27	(\$711.82)	1
2	CL	2,694,817		0.049048	0.012792	\$130,324.93	\$33,989.49	\$1,356.37	(\$184.49)	2
3	GP, GEH & EHS	10,808,481		0.026061	0.012772	\$277,736.31	\$136,113.28	\$3,214.24	(\$1,028.97)	3
4	LPS, IS & TS	38,721,207	68,603	13.703861	0.012742	\$926,964.66	\$486,478.22	\$131,074.20	(\$5,438.90)	4
5	FLAT RATES	856,339		0.000000	0.012770	\$0.00	\$10,782.35	(\$0.02)	(\$82.44)	5
6	0			0.000000	0.000000	\$0.00	\$0.00	\$0.00	\$0.00	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
10	TOTAL	66,863,319				\$1,692,824.38	\$841,404.33	\$139,193.06	(\$7,446.62)	10

(a) Exhibit IV, Page 7 of 7, Column E

(b) Page 3 of 3, Column F of Tracker Filing for the three months of:

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

(d) Column A times Column B times the 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

CITY OF RICHMOND, INDIANA

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	R	\$354,250.21	\$174,752.81	\$529,003.02	\$3,388.45	\$6,299.92	\$9,688.37	1
2	CL	\$128,968.56	\$34,173.98	\$163,142.54	\$1,298.13	\$1,226.33	\$2,524.46	2
3	GP, GEH & EHS	\$274,522.07	\$137,142.25	\$411,664.31	\$3,036.63	\$4,842.77	\$7,879.41	3
4	LPS, IS & TS	\$795,890.46	\$491,917.12	\$1,287,807.58	\$150,463.62	\$16,741.89	\$167,205.51	4
5	FLAT RATES	\$0.02	\$10,864.79	\$10,864.81	(\$0.02)	\$384.46	\$384.44	5
6	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	6
7	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	7
8	0	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	8
10	TOTAL	\$1,553,631.32	\$848,850.95	\$2,402,482.27	\$158,186.81	\$29,495.37	\$187,682.18	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

CITY OF RICHMOND, INDIANA

DETERMINATION OF ACTUAL DEDICATED CAPACITY PAYMENTS
FOR THE THREE MONTHS OF

LINE NO.	DESCRIPTION	Oct-17	Nov-17	Dec-17	TOTAL	AVERAGE	LINE NO.
		October	November	December			
		(A)	(B)	(C)	(D)	(E)	
1	ACTUAL MEMBER GENERATING COSTS	\$0.00	\$0.00	\$135,779.37	\$135,779.37	\$45,259.79	1
2	LESS: GENERATING COSTS IN BASE RATES	\$ 554,246.00	\$ 554,246.00	\$ 554,246.00	\$1,662,738.00	\$554,246.00	2
3	DIFFERENCE IN ACTUAL TO BASE RATE COSTS (a)	(\$554,246.00)	(\$554,246.00)	(\$418,466.63)	(\$1,526,958.63)	(\$508,986.21)	3
4	ACTUAL MONTHLY PAYMENT FROM IMPA	\$ -	\$ -	\$ -	\$0.00	\$0.00	4
5	LESS: ESTIMATED PAYMENT IN BASE RATES (f)	\$ 632,538.00	\$ 632,538.00	\$ 632,538.00	\$1,897,614.00	\$632,538.00	5
6	DIFFERENCE IN ACTUAL TO BASE RATE PAYMENT (b)	(\$632,538.00)	(\$632,538.00)	(\$632,538.00)	(\$1,897,614.00)	(\$632,538.00)	6
7	ACTUAL CAPACITY PAYMENT SAVINGS TO BE COLLECTED THROUGH THE TRACKER (c)	\$78,292.00	\$78,292.00	\$214,071.37	\$370,655.37	\$123,551.79	7
8	ACTUAL MONTHLY KW BILLED (d)	124,582	123,812	123,885	372,279	124,093	8
9	ACTUAL CAPACITY PAYMENT SAVINGS PER KW (e)	\$0.628	\$0.632	\$1.728		\$0.996	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

CITY OF RICHMOND, INDIANA
DETERMINATION OF ACTUAL ENERGY COST ADJUSTMENT
FOR THE THREE MONTHS OF:

LINE NO.	DESCRIPTION	Oct-17	Nov-17	Dec-17	TOTAL	ACTUAL 3 MONTH AVERAGE	LINE NO.
		Oct-17	Nov-17	Dec-17			
		(A)	(B)	(C)	(D)	(E)	
	PURCHASED POWER FROM IMPA						
1	KW DEMAND (a)	124,582	123,812	123,885	372,279	124,093	1
2	KWH ENERGY (a)	73,089,153	68,288,056	73,938,935	215,316,144	71,772,048	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)	\$51,826.11	\$51,505.79	\$51,536.16	\$154,868.06	\$51,622.69	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH (a)	(0.001775)	(0.001775)	(0.001775)		(0.001775)	5
6	CHARGE (c)	(\$129,733.25)	(\$121,211.30)	(\$131,241.61)	(\$382,186.16)	(\$127,395.39)	6

(a) From IMPA bills for the months of:

Oct-17

Nov-17

Dec-17

(b) Line 1 times Line 3

(c) Line 2 times Line 5

CITY OF RICHMOND, INDIANA

DETERMINATION OF ACTUAL AVERAGE KWH SALES
FOR THE THREE MONTHS OF:

LINE NO.	RATE SCHEDULE	Oct-17	Nov-17	Dec-17	TOTAL	AVERAGE	LINE NO.
-		(A)	(B)	(C)	(D)	(E)	-
1	R	10,821,848	13,606,822	16,918,756	41,347,426	13,782,475	1
2	CL	2,284,968	2,646,173	3,153,309	8,084,450	2,694,817	2
3	GP, GEH & EHS	10,986,632	10,503,099	10,935,712	32,425,443	10,808,481	3
4	LPS, IS & TS	45,050,096	36,688,448	34,425,078	116,163,622	38,721,207	4
5	FLAT RATES	817,543	889,627	861,846	2,569,016	856,339	5
6	0	0	0	0	0	0	6
7	0	0	0	0	0	0	7
8	0	0	0	0	0	0	8
10	TOTAL	69,961,087	64,334,169	66,294,701	200,589,957	66,863,319	10

DETERMINATION OF ACTUAL AVERAGE KVA SALES

LPS & IS	73,480	70,037	62,292	205,809	68,603
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CITY OF RICHMOND, INDIANA

Exhibit IV
Page 8 of 8

DETERMINATION OF ACTUAL KW DEMAND ALLOCATION AND KWH ENERGY ALLOCATION FACTORS

Rate Tariffs		Average	Percent of	Rate Study		Rate Study	Adjusted
		Sales	Total kWh	kWh Energy	Variance	kW Demand	kW Demand
				Factors		Factors	Allocators
Code	Rate Schedule Name/Description	(A)	(B)	(C)	(D)	(E)	(F)
R	Residential Electric Service	13,782,475	20.613%	21.898%	-5.869%	22.955%	21.608%
CL	Commercial Lighting Service	2,694,817	4.030%	4.005%	0.633%	7.821%	7.610%
GP, GEH & EHS	Gen Power, Gen Electric Heat & Electric Heat Schools	10,808,481	16.165%	8.904%	81.548%	9.237%	16.770%
LPS, IS & TS	Large Power, Industrial Service & Transmission Service	38,721,207	57.911%	64.065%	-9.606%	59.987%	55.284%
FLAT RATES	Outdoor Lighting, Street Lighting	856,339	1.281%	1.128%	1.281%	0.000%	0.000%
0	0	0	0.000%	0.000%	0.000%	0.000%	0.000%
0	0	0	0.000%	0.000%	0.000%	0.000%	0.000%
0	0	0	0.000%	0.000%	0.000%	0.000%	0.000%
Sales		66,863,319	100.000%	100.000%		100.000%	101.532%
Purchases		71,772,048					
Average Losses		6.8%					

(A) From utility billing records

10/1/2017 11/1/2017 12/1/2017

(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)

CITY OF RICHMOND, INDIANA

DETERMINATION OF RATE ADJUSTMENT FOR LPS & IS
FOR THE THREE MONTHS OF:

Apr-18

May-18

Jun-18

LINE
NO.

-

Rates LPS, IS & TS

Demand Related Adjustment Factor

1	From Page 3 of 3, Column C, Line 4	\$1,097,114.05
2	From Page 2 of 3, Column C, Line 4	70,472.20 kW
3	Line 1 divided by Line 2	15.568040 per KW
4	Line 3 multiplied by 84.937%	13.223026
5	Demand Related Rate Adjustment Factor	13.223026 per KVA

Rates LPS, IS & TS

Energy Related Adjustment Factor

6	From Page 3 of 3, Column D, Line 4	\$477,869.88
7	From Page 2 of 3, Column D, Line 4	41,117,402 KWH
8	Line 6 divided by Line 7	\$0.011622
9	Energy Related Adjustment Factor	\$0.011622 per KWH

Energy Cost Adjustment (Revenue Report) KWH

	Oct-17	Nov-17	Dec-17
R - 44010	10,821,848	13,606,822	16,918,756
CWH - 44020			
K - 44030			
ASH - 44040			
CL - 44210	2,248,565	2,597,116	3,091,878
GP - 44220	10,584,146	10,077,730	10,475,123
IS - 44270	6,334,750	6,106,850	5,724,100
LPS - 44280	37,932,046	29,694,348	27,740,228
GEH - 44290	137,163	148,028	183,318
EH - 44250			
EHS - 44500	63,236	56,988	70,376
OL - 44260	234,657	262,826	258,865
FLAT - 44410 N	66,008	76,007	69,654
PARK OL - 4	0	0	0
PARK OL - 5	0	0	0
PARK OL - 6	0	0	0
PARK OL - 95	0	0	0
PARL OL - 94	0	0	0
PARK OL - 93	0	0	0
CL - 41	36,403	49,057	61,431
ST LIT - CITY M	516,878	550,794	533,327
GP - 44	91,333	104,203	102,252
GEH - 46	110,754	116,150	104,643
IS - IS	783,300	887,250	960,750
LPS - CITY	0	0	0
CITY BILLS	0	0	0
	69,961,087	64,334,169	66,294,701
BY RATE CLASS			
R	10,821,848	13,606,822	16,918,756
CL	2,284,968	2,646,173	3,153,309
GP, GEH, & EHS	10,986,632	10,503,099	10,935,712
LPS & IS	45,050,096	36,688,448	34,425,078
OL, M, & N	817,543	889,627	861,846
TOTAL	69,961,087	64,334,169	66,294,701
	69,961,087	64,334,169	66,294,701
LPS & IS Coincident kW	73,480	70,037	62,292
	69,143,544	63,444,542	65,432,855

CAPACITY COST REPORT		October 2017	November 2017	December 2017
UNIT FIXED COSTS				
Acct No.				
500	Supv and Engr - Operation	0.00	0.00	0.00
502	Steam Expenses	0.00	0.00	0.00
505	Electric Expenses	0.00	0.00	0.00
506	Misc Steam Power Expenses	0.00	0.00	0.00
511	Maint of Structures	0.00	0.00	0.00
	Payroll Taxes	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
(A)	TOTAL UNIT FIXED COSTS	0.00	0.00	0.00
UNIT VARIABLE COSTS				
509	SO2 Allowances	0.00	0.00	51,969.37
509.1	NOX Allowances	0.00	0.00	83,810.00
510	Supv and Engr - Maint	0.00	0.00	0.00
512	Maint of Boiler Plant	0.00	0.00	0.00
513	Maint of Electric Plant	0.00	0.00	0.00
514	Misc Steam Plant Expenses	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
(B)	TOTAL UNIT VARIABLE COSTS	0.00	0.00	<u>135,779.37</u>
TOTAL PRODUCTION COST		0.00	0.00	135,779.37
ADMN.& GENERAL COSTS(PRODUCTION RELATED)				
920	Admn and general salaries	91,941.82	95,332.42	157,934.00
921	Office supplies and expense	18,717.85	18,117.78	28,969.32
923	Outside services employed	21,433.53	(227,170.20)	2,452.77
925	Injuries and damages	26,154.41	30,145.95	26,007.39
926	Employee pension and benefits	305,582.11	294,949.67	2,095,994.43
928	Regulatory commission expenses	0.00	14,771.65	0.00
930	Misc general expense	394.83	1,314.04	2,481.47
931	Rents	0.00	0.00	0.00
932	Maint of general plant	29,673.35	10,467.18	55,841.16
933	Transportation	5,329.94	454.42	7,429.48
	Payroll taxes	<u>8,946.33</u>	<u>9,044.73</u>	<u>14,277.49</u>
TOTAL ADMN AND GENERAL EXPENSES		508,174.17	247,427.64	2,391,387.51
PRR=		<u>0.000000</u>	<u>0.000000</u>	<u>0.000000</u>
(C)	PRODUCTION RELATED ADMN/GEN. EXPENSE	0.00	0.00	0.00
(D)	PLANT INSURANCE	0.00	0.00	0.00
(E)	DEBT SERVICE	0.00	0.00	0.00
AMORTIZATION AND INTEREST				
	Amortized capital	0.00	0.00	0.00
	Interest on capital	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
	Amortized Expenses on Unit #1 Scheduled Outage	0.00	0.00	0.00
	Interest on Expenses	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
(F)	<u>Total amortization</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
(G)	TOTAL MEMBER PRODUCTION COSTS	0.00	0.00	135,779.37

CITY OF RICHMOND, INDIANA

EXHIBIT V

DETERMINATION OF DEMAND RELATED AND ENERGY RELATED
COSTS INCLUDED IN TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983

LINE NO.	DESCRIPTION	DEMAND RELATED	ENERGY RELATED	TOTAL	LINE NO.
	WHOLESALE POWER COSTS TRACKER				
1	FERC DOCKET NOS. ER78-381 AND ER81-48 FILING DATED JULY 15, 1981.	(\$0.000241)	(\$0.000025)	(\$0.000266)	1
2	FERC DOCKET NO. ER82-555-000 FILING DATED AUGUST 3, 1982	\$0.001857	(\$0.000192)	\$0.001665	2
3	FERC DOCKET NO. ER82-555-000 FILING DATED NOVEMBER 18, 1982	\$0.001483	\$0.000000	\$0.001483	3
4	FERC DOCKET NO. ER82-555-000 FILING DATED JANUARY 3, 1983	(\$0.000964)	\$0.000130	(\$0.000834)	4
5	TOTAL WHOLESALE POWER COST TRACKER PER KWH - APPENDIX B, LINE 8 OF TRACKING FACTOR APPROVED ON JANUARY 27, 1983	\$0.002135	(\$0.000087)	\$0.002048	5
6	AVERAGE WEIGHTED FUEL COST CHARGE BILLED PER KWH - APPENDIX B, LINE 7 OF TRACKING FACTOR APPROVED ON JANUARY 27, 1983	\$0.000000	\$0.003597	\$0.003597	6
7	TOTAL PRESENT TRACKING FACTOR	\$0.002135	\$0.003510	\$0.005645	7

CITY OF RICHMOND
RICHMOND POWER & LIGHT

EXHIBIT V-A

DETERMINATION OF NET CAPACITY PURCHASE PAYMENTS
TWELVE MONTH PERIOD ENDED OCTOBER 31, 1982

LINE NO. -----	DESCRIPTION -----		LINE NO. -----
	PRODUCTION *		
1	FUEL	\$8,913,320.89	1
2	ALL OTHER PRODUCTION	\$0.00	2
3	OPERATING & MAINTENANCE	\$1,921,600.89	3
4	TOTAL PRODUCTION	\$10,834,921.78	4
5	ADMINISTRATIVE & GENERAL	\$505,382.69	5
6	PAYROLL RELATED TAXES	\$137,502.45	6
7	CONTRIBUTION IN LIEU OF PROPERTY TAXES	\$270,350.99	7
	DEPRECIATION		
8	PRODUCTION FACILITIES	\$838,266.48	8
9	GENERAL PLANT	\$25,858.39	9
10	TOTAL DEPRECIATION	\$864,124.87	10
11	TOTAL OPERATING REVENUE DEDUCTIONS	\$12,612,282.78	11
12	PROVISION FOR DEBT SERVICE	\$822,366.00	12
13	TOTAL COST	\$13,434,648.78	13
	CAPACITY PURCHASE PAYMENTS		
	CAPACITY PAYMENT **		
14	\$4.29 KW - MONTH X 93,400 KW X 12 MONTHS	\$4,808,232.00	14
	FUEL PAYMENT		
15	\$.020093 KWH X 443,603,289 KWH	\$8,913,320.89	15
16	TOTAL PAYMENT	\$13,721,552.89	16
17	LESS TOTAL COST	(\$13,434,648.78)	17
18	TOTAL NET PAYMENT	\$286,904.11	18
	\$13,434,648.78		
	(\$8,913,320.89)		

	(\$ 4,521,327.89 / 12 = \$376,777.32 EXHIBIT II LINE 2)		
	(\$4,802,232 / 12 = \$400,686.00 EXHIBIT II LINE 5)		

* PRODUCTION EXPENSES FROM PAGE 1 OF NOTE A JANUARY 25, 1983 FILING

** CHANGED FROM \$4.94 OF PREVIOUS FILING TO \$4.29



RICHMOND POWER & LIGHT

www.RP-L.com

2000 U.S. 27 SOUTH
P.O. BOX 908
RICHMOND, INDIANA 47375-0908
(765) 973-7200 FAX (765) 973-7286

February 26, 2018

Indiana Utility Regulatory Commission
Engineering Department
101 W Washington St
Indianapolis, IN 46204

Enclosed is Richmond Power and Light's percentage of line losses for the 12-month period ending December 31, 2017. We will use this percentage in our next filing of the Energy Cost Adjustment.

If you have any questions or need additional information, please call.

Sincerely,

A handwritten signature in cursive script that reads 'Sandra Lambert'.

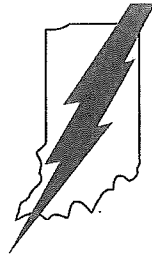
Sandra Lambert
Finance Manager

Line Loss for 2017	KWH Available	KWH Billed	
January	81,350,481	80,079,131	80,079,131
February	70,112,390	70,360,487	70,360,487
March	77,208,090	71,752,670	71,752,670
April	67,629,473	69,391,839	69,391,839
May	71,713,070	65,745,739	65,745,739
June	76,024,174	72,087,852	72,087,852
July	80,694,692	75,540,822	75,540,822
August	80,364,301	77,565,904	77,565,904
September	71,978,443	72,366,679	72,366,679
October	73,089,153	69,143,544	69,143,544
November	68,288,056	63,444,542	63,444,542
December	<u>73,938,935</u>	65,432,855	<u>65,432,855</u>
Subtotal	892,391,258	852,912,064	852,912,064
Unmetered Sales		<u>9,955,849</u>	
Total	892,391,258	862,867,913	1,705,824,128
Percent of KWHS Billed to Purchased		0.966916591	
Percent x.986		0.953379759	
Line Loss Factor		3.3083409%	842,956,215
			49.42%

Line Loss for 2017

EXHIBIT A:

TYPE:	WATTAGE	AVERAGE NUMBER OF LAMPS	ANNUAL USAGE	TOTAL KWHs
Street Lighting:				
Sodium	70	121	386	46,727
	100	1,547	506	782,852
	150	1,116	714	797,041
	250	1,710	1,291	2,207,322
	400	238	2,286	544,131
Mercury	175	1,040	883	918,200
	250	579	1,247	722,009
	400	0	#DIV/0!	0
Halide	175	158	1,248	197,152
	400	61	1,903	116,063
SL<400W OH WOOD	<400	40	1,249	49,947
TOTAL STREET LIGHTING		6,610	965	6,381,444
Security Lighting				
Mercury	175	207	877	181,607
	250	133	1,244	165,414
	400	73	1,942	141,779
Sodium	100	464	492	228,375
	150	1,017	701	712,520
	250	311	1,242	386,385
Sodium Flood	250	46	1,245	57,287
	400	45	1,987	89,420
Metal Halide	250	17	1,198	20,361
	400	575	1,924	1,106,433
TOTAL SECURITY LIGHTING		2,888		3,089,581
Insight Communications/Cable TV				<u>484,824</u>
TOTAL UNMETERED SERVICE				9,955,849



IMPA
INDIANA MUNICIPAL POWER AGENCY

501.300

January 9, 2018

IMPA Board of Commissioners
Indiana Municipal Power Agency
11610 North College Avenue
Carmel, IN 46032

Dear Commissioner:

Enclosed are the estimated Energy Cost Adjustment factors for the second quarter (April, May and June) of 2018.

If you have any questions, please feel free to call Ginny McCammon at (317) 805-1656.

Sincerely,

INDIANA MUNICIPAL POWER AGENCY

Ginny McCammon
Assistant Manager Rates & Billing

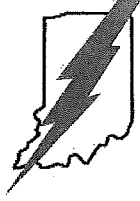
GM/cr

Enclosure

cc: Jeremy Callahan, Callahan CPA Group
Greg Guerrettaz, Financial Solutions
Jarrod Hall, O.W. Krohn & Associates
Keith Gimbel, Gimbel & Associates
Don Gruenemeyer, JS Sawvel & Associates
Alex D. Hilt, H.J. Umbaugh

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

	APR	MAY	JUN	APR	MAY	JUN
	\$/kW-month			\$/kWh		
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	kW			kWh		
RICHMOND	118,806	124,200	139,415	67,967,468	71,681,522	73,354,128



IMPA

INDIANA MUNICIPAL POWER AGENCY

Richmond Power & Light
P.O. Box 908
Richmond, IN 47374

Due Date:	Amount Due:
12/14/2017	\$ 5,016,588.45

Billing Period: October 1 to 31, 2017

Invoice No: INV0007950
Invoice Date: 11/14/2017

Summary of Charges

Demand Charges:	\$ 2,912,851.74
Energy Charges:	\$ 2,104,236.71
Subtotal - Purchased Power Charges*:	\$ 5,017,088.45
Other Charges and Credits:	\$ (500.00)
Net Amount Due:	\$ 5,016,588.45

*Average Purchased Power Cost: 6.86 cents per kWh

Due Date:	Amount Due:
12/14/2017	\$ 5,016,588.45

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
 Richmond Power & Light
 Billing Period: October 1 to 31, 2017

Due Date:	Amount Due:
12/14/2017	\$ 5,016,588.45

Demand						
Demand Information						
	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	124,582	3,187	99.97%	10/03/17	1600	78.85%
CP Billing Demand:	124,582	3,187	99.97%	10/03/17	1600	78.85%
kvar at 97% PF:		31,223				
Reactive Demand:		-				
Demand Charges						
	Rate		Units		Charge	
Base Demand Charge:	\$	22.965 /kW x	124,582		\$	2,861,025.63
ECA Demand Charge:	\$	0.416 /kW x	124,582		\$	51,826.11
Total Demand Charges:					\$	2,912,851.74

Energy						
Energy Information						
	kWh					
WWVS Net Gen:	-					
Richmond 1:	19,563,180					
Richmond 2:	36,375,896					
Richmond Solar:	103,121					
Northwest:	11,549,861					
Treaty:	5,497,095					
Total Energy:	73,089,153					
Energy Charges						
	Rate		Units		Charge	
Base Energy Charge:	\$	0.030565 /kWh x	73,089,153		\$	2,233,969.96
ECA Energy Charge:	\$	(0.001775) /kWh x	73,089,153		\$	(129,733.25)
Total Energy Charges:					\$	2,104,236.71

Other Charges and Credits						
Other Charges and Credits						
Adjustment - Lease payment for WWVS plant:					\$	(500.00)
Total Other Charges and Credits:					\$	(500.00)

History			
	Oct 2017	Oct 2016	2017 YTD
Max Demand (kW):	124,582	125,035	149,845
CP Demand (kW):	124,582	124,676	148,744
Energy (kWh):	73,089,153	70,484,288	750,164,267
CP Load Factor:	78.85%	75.99%	
HDD/CDD (Indianapolis):	251/47	170/45	

19

1

Billing Period: October 1, 2017 to October 31, 2017

[illegible]



IMPA

INDIANA MUNICIPAL POWER AGENCY

Richmond Power & Light
P.O. Box 908
Richmond, IN 47374

Due Date:	Amount Due:
1/15/2018	\$ 4,860,361.50

Billing Period: November 1 to 30, 2017

Invoice No: INV0008025
Invoice Date: 12/14/2017

Summary of Charges

Demand Charges:	\$ 2,894,848.37
Energy Charges:	\$ 1,966,013.13
Subtotal - Purchased Power Charges*:	\$ 4,860,861.50
Other Charges and Credits:	\$ (500.00)
Net Amount Due:	\$ 4,860,361.50

*Average Purchased Power Cost: 7.12 cents per kWh

Due Date:	Amount Due:
1/15/2018	\$ 4,860,361.50

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
 Richmond Power & Light
 Billing Period: November 1 to 30, 2017

Due Date:	Amount Due:
1/15/2018	\$ 4,860,361.50

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	123,812	(8,845)	99.75%	11/01/17	1000	76.60%
CP Billing Demand:	123,812	(8,845)	99.75%	11/01/17	1000	76.60%
kvar at 97% PF:		31,030				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.965 / kW x	123,812		\$	2,843,342.58
ECA Demand Charge:	\$	0.416 / kW x	123,812		\$	51,505.79
Total Demand Charges:					\$	2,894,848.37

Energy						
Energy Information	kWh					
WWVS Net Gen:	-					
Richmond 1:	21,948,748					
Richmond 2:	29,465,128					
Richmond Solar:	76,590					
Northwest:	10,481,708					
Treaty:	6,315,882					
Total Energy:	68,288,056					
Energy Charges	Rate		Units		Charge	
Base Energy Charge:	\$	0.030565 / kWh x	68,288,056		\$	2,087,224.43
ECA Energy Charge:	\$	(0.001775) / kWh x	68,288,056		\$	(121,211.30)
Total Energy Charges:					\$	1,966,013.13

Other Charges and Credits						
Other Charges and Credits						
Adjustment - Lease payment for WWVS plant:					\$	(500.00)
Total Other Charges and Credits:					\$	(500.00)

History			
	Nov 2017	Nov 2016	2017 YTD
Max Demand (kW):	123,812	124,189	149,845
CP Demand (kW):	123,812	124,189	148,744
Energy (kWh):	68,288,056	69,893,798	818,452,323
CP Load Factor:	76.60%	78.17%	
HDD/CDD (Indianapolis):	624/0	503/5	

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Billing Period: November 1, 2017 to November 30, 2017

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IMPA

INDIANA MUNICIPAL POWER AGENCY

Richmond Power & Light
P.O. Box 908
Richmond, IN 47374

Due Date:	Amount Due:
2/14/2018	\$ 5,024,757.13

Billing Period: December 1 to 31, 2017

Invoice No: INV0008111
Invoice Date: 1/15/2018

Summary of Charges	
Demand Charges:	\$ 2,896,555.19
Energy Charges:	\$ 2,128,701.94
Subtotal - Purchased Power Charges*:	\$ 5,025,257.13
Other Charges and Credits:	\$ (500.00)
Net Amount Due:	\$ 5,024,757.13

*Average Purchased Power Cost: 6.80 cents per kWh

Due Date:	Amount Due:
2/14/2018	\$ 5,024,757.13

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
 Richmond Power & Light
 Billing Period: December 1 to 31, 2017

Due Date:	Amount Due:
2/14/2018	\$ 5,024,757.13

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	126,703	(1,364)	99.99%	12/13/17	900	78.44%
CP Billing Demand:	123,885	(6,748)	99.85%	12/12/17	1900	80.22%
kvar at 97% PF:		31,049				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.965 / kW x		123,885	\$	2,845,019.03
ECA Demand Charge:	\$	0.416 / kW x		123,885	\$	51,536.16
Total Demand Charges:					\$	2,896,555.19

Energy			
Energy Information		kWh	
Dist. Gen & WWVS Net Gen:	12,757,663		
Richmond 1:	19,169,113		
Richmond 2:	27,496,527		
Richmond Solar:	47,201		
Northwest:	9,339,374		
Treaty:	5,129,057		
Total Energy:	73,938,935		
Energy Charges		Rate	Charge
Base Energy Charge:	\$ 0.030565 / kWh x	73,938,935	\$ 2,259,943.55
ECA Energy Charge:	\$ (0.001775) / kWh x	73,938,935	\$ (131,241.61)
Total Energy Charges:			\$ 2,128,701.94

Other Charges and Credits		
Other Charges and Credits		
Adjustment - Lease payment for WWVS plant:	\$	(500.00)
Total Other Charges and Credits:	\$	(500.00)

History			
	Dec 2017	Dec 2016	2017 YTD
Max Demand (kW):	126,703	144,479	149,845
CP Demand (kW):	123,885	140,291	148,744
Energy (kWh):	73,938,935	80,693,374	892,391,258
CP Load Factor:	80.22%	77.31%	
HDD/CDD (Indianapolis):	1069/0	1068/0	

IMPA Delivery Point Details

Richmond Power & Light

Billing Period: December 1, 2017 to December 31, 2017

Delivery Point	Energy kWh	<u>Individual Substation Maximum Demand</u>					<u>Demand at RICHMOND's Maximum Peak on 12/13/17 at 0900 EST</u>				<u>Demand at IMPA's Coincident Peak on 12/12/17 at 1900 EST</u>			
		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	73,938,935						126,703	(1,364)	126,710	99.99%	123,885	(6,748)	124,069	99.85%
* Richmond 1	19,169,113	12/19/17 at 0900 EST	42,615	(4,855)	42,891	99.36%	14,183	(6,636)	15,659	90.58%	21,024	(7,142)	22,204	94.69%
* Richmond 2	27,496,527	12/08/17 at 0900 EST	60,707	(5,580)	60,963	99.58%	26,122	1,481	26,164	99.84%	22,701	(1,281)	22,737	99.84%
* Richmond Solar	47,201	12/08/17 at 1100 EST	683	(123)	694	98.42%	21	(26)	33	62.83%	(3)	(6)	7	44.72%
* Northwest	9,339,374	12/29/17 at 1800 EST	33,673	(3,522)	33,857	99.46%	3,092	3,544	4,703	65.74%	1,057	2,091	2,343	45.11%
* Treaty	5,129,057	12/29/17 at 1800 EST	39,658	(4,715)	39,937	99.30%	(5,114)	3,368	6,123	83.52%	(6,141)	2,363	6,580	93.33%
* WWVS Generation	14,552,117	-	-	-	-	-	96,727	1,850	96,745	99.98%	93,328	2,174	93,353	99.97%
* WWVS House Power	(1,794,454)	-	-	-	-	-	(8,328)	(4,945)	9,685	85.98%	(8,081)	(4,947)	9,475	85.29%

RICHMOND WWVS PLANT

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REVENUE REPORT

October-17

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>10,821,848</u>	<u>\$ 1,193,238.52</u>	
	Total R 44010	10,821,848	\$ 1,193,238.52	
COMMERCIAL				
		<u>2,248,565</u>	<u>\$ 345,802.34</u>	<u>0</u>
	Total CL 44210	2,248,565	\$ 345,802.34	0
GENERAL POWER				
		<u>10,584,146</u>	<u>\$ 1,054,904.37</u>	<u>15,095</u>
	Total GP 44220	10,584,146	\$ 1,054,904.37	15,095
INDUSTRIAL POWER				
	IS -COIN	4,475,100	\$ 379,809.86	12,638
	IS	<u>1,859,650</u>	<u>\$ 162,181.41</u>	<u>3,776</u>
	Total IS 44270	6,334,750	\$ 541,991.27	16,414
LARGE POWER				
	LPS-COIN	31,827,208	\$ 2,551,782.75	63,786
	LPS	<u>6,104,838</u>	<u>\$ 566,041.97</u>	<u>14,563</u>
	Total LPS 44280	37,932,046	\$ 3,117,824.72	78,349
GENERAL ELECT HEAT				
		<u>137,163</u>	<u>\$ 13,646.58</u>	<u>49</u>
	Total GEH 44290	137,163	\$ 13,646.58	49
ELECTRIC HEAT SCHOOLS				
	43	<u>63,236</u>	<u>\$ 5,838.19</u>	<u>198</u>
	Total EHS 44500	63,236	\$ 5,838.19	198
RESIDENTIAL - OLS				
		<u>234,657</u>	<u>\$ 21,495.40</u>	
	Total OLS 44260	234,657	\$ 21,495.40	
FLAT RATE (237)				
	Rate 8 - N	28,089	\$ 6,055.77	
	Rate 39 - CATV	<u>37,919</u>	<u>\$ 6,387.49</u>	
	Total N 44410	66,008	\$ 12,443.26	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>68,422,419</u>	<u>\$ 6,307,184.65</u>	<u>110,105</u>

October-17

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,513	\$ 1,951.56	
PUBLIC BLDGS - CITY	44230	29,890	\$ 4,427.73	
CITY STREET LIGHTS				
Rate 7	44420	<u>516,878</u>	<u>\$ 66,099.36</u>	
	CITY - GP 44	91,333	\$ 10,316.16	0
	CITY - GEH 46	110,754	\$ 11,192.88	74
	Sanitation - IS	<u>783,300</u>	<u>\$ 55,800.20</u>	<u>1,416</u>
	44240	<u>985,387</u>	<u>\$ 77,309.24</u>	<u>1,490</u>
	CITY -14610	<u>1,538,668</u>	<u>\$ 149,787.89</u>	<u>1,490</u>
TOTAL ALL REC'V [14210+14610]		<u><u>69,961,087</u></u>	<u><u>\$ 6,456,972.54</u></u>	<u><u>111,595</u></u>
PENALTIES 45000			\$ 54,145.10	
SALES TAX 24170			\$ 182,305.04	
WRITE OFFS 14400			<u>\$ 23,555.65</u>	
TOTAL OF ALL CHARGES		<u><u>69,961,087</u></u>	<u><u>\$ 6,716,978.33</u></u>	

REVENUE REPORT

November-17

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>13,606,822</u>	<u>\$ 1,437,379.46</u>	
	Total R 44010	13,606,822	\$ 1,437,379.46	
COMMERCIAL				
		<u>2,597,116</u>	<u>\$ 389,371.57</u>	<u>0</u>
	Total CL 44210	2,597,116	\$ 389,371.57	0
GENERAL POWER				
		<u>10,077,730</u>	<u>\$ 1,001,606.33</u>	<u>14,790</u>
	Total GP 44220	10,077,730	\$ 1,001,606.33	14,790
INDUSTRIAL POWER				
	IS -COIN	4,664,100	\$ 446,534.66	12,834
	IS	<u>1,442,750</u>	<u>\$ 127,526.76</u>	<u>2,676</u>
	Total IS 44270	6,106,850	\$ 574,061.42	15,510
LARGE POWER				
	LPS-COIN	23,813,198	\$ 2,130,852.05	62,191
	LPS	<u>5,881,150</u>	<u>\$ 544,283.27</u>	<u>13,970</u>
	Total LPS 44280	29,694,348	\$ 2,675,135.32	76,161
GENERAL ELECT HEAT				
		<u>148,028</u>	<u>\$ 15,206.29</u>	<u>46</u>
	Total GEH 44290	148,028	\$ 15,206.29	46
ELECTRIC HEAT SCHOOLS				
	43	<u>56,988</u>	<u>\$ 5,261.36</u>	<u>167</u>
	Total EHS 44500	56,988	\$ 5,261.36	167
RESIDENTIAL - OLS				
		<u>262,826</u>	<u>\$ 22,180.22</u>	
	Total OLS 44260	262,826	\$ 22,180.22	
FLAT RATE (237)				
	Rate 8 - N	29,962	\$ 6,135.66	
	Rate 39 - CATV	<u>46,045</u>	<u>\$ 7,381.30</u>	
	Total N 44410	76,007	\$ 13,516.96	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>62,626,715</u>	<u>\$ 6,133,718.93</u>	<u>106,674</u>

November-17

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,770	\$ 1,982.95	
PUBLIC BLDGS - CITY	44230	42,287	\$ 5,924.94	
CITY STREET LIGHTS				
Rate 7	44420	<u>550,794</u>	<u>\$ 67,519.91</u>	
	CITY - GP 44	104,203	\$ 11,440.20	0
	CITY - GEH 46	116,150	\$ 12,178.81	76
	Sanitation - IS	<u>887,250</u>	<u>\$ 65,490.43</u>	<u>1,477</u>
	44240	1,107,603	\$ 89,109.44	1,553
	CITY -14610	<u>1,707,454</u>	<u>\$ 164,537.24</u>	<u>1,553</u>
TOTAL ALL REC'V [14210+14610]		<u><u>64,334,169</u></u>	<u><u>\$ 6,298,256.17</u></u>	<u><u>108,227</u></u>
	PENALTIES 45000		\$ 58,552.95	
	SALES TAX 24170		\$ 198,906.43	
	WRITE OFFS 14400		\$ 48,080.45	
TOTAL OF ALL CHARGES		<u><u>64,334,169</u></u>	<u><u>\$ 6,603,796.00</u></u>	

REVENUE REPORT

December-17

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>16,918,756</u>	<u>\$ 1,724,021.48</u>	
	Total R 44010	16,918,756	\$ 1,724,021.48	
COMMERCIAL				
		<u>3,091,878</u>	<u>\$ 449,884.70</u>	<u>0</u>
	Total CL 44210	3,091,878	\$ 449,884.70	0
GENERAL POWER				
		<u>10,475,123</u>	<u>\$ 1,039,432.22</u>	<u>14,678</u>
	Total GP 44220	10,475,123	\$ 1,039,432.22	14,678
INDUSTRIAL POWER				
	IS -COIN	4,252,500	\$ 430,875.35	13,073
	IS	<u>1,471,600</u>	<u>\$ 128,723.40</u>	<u>2,592</u>
	Total IS 44270	5,724,100	\$ 559,598.75	15,665
LARGE POWER				
	LPS-COIN	21,083,940	\$ 1,785,640.89	49,004
	LPS	<u>6,656,288</u>	<u>\$ 603,392.94</u>	<u>15,218</u>
	Total LPS 44280	27,740,228	\$ 2,389,033.83	64,222
GENERAL ELECT HEAT				
		<u>183,318</u>	<u>\$ 18,616.26</u>	<u>49</u>
	Total GEH 44290	183,318	\$ 18,616.26	49
ELECTRIC HEAT SCHOOLS				
	43	<u>70,376</u>	<u>\$ 6,497.40</u>	<u>139</u>
	Total EHS 44500	70,376	\$ 6,497.40	139
RESIDENTIAL - OLS				
		<u>258,865</u>	<u>\$ 22,288.30</u>	
	Total OLS 44260	258,865	\$ 22,288.30	
FLAT RATE (237)				
	Rate 8 - N	29,026	\$ 6,060.33	
	Rate 39 - CATV	<u>40,628</u>	<u>\$ 6,718.81</u>	
	Total N 44410	69,654	\$ 12,779.14	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>64,532,298</u>	<u>\$ 6,222,152.08</u>	<u>94,753</u>

December-17

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,599	\$ 1,962.06	
PUBLIC BLDGS - CITY	44230	54,832	\$ 7,461.53	
CITY STREET LIGHTS				
Rate 7	44420	<u>533,327</u>	<u>\$ 66,168.95</u>	
	CITY - GP 44	102,252	\$ 10,713.55	0
	CITY - GEH 46	104,643	\$ 10,722.75	77
	Sanitation - IS	<u>960,750</u>	<u>\$ 70,670.14</u>	<u>1,568</u>
	44240	1,167,645	\$ 92,106.44	1,645
	CITY -14610	<u>1,762,403</u>	<u>\$ 167,698.98</u>	<u>1,645</u>
TOTAL ALL REC'V [14210+14610]		<u><u>66,294,701</u></u>	<u><u>\$ 6,389,851.06</u></u>	<u><u>96,398</u></u>
	PENALTIES 45000		\$ 39,639.96	
	SALES TAX 24170		\$ 227,355.82	
	WRITE OFFS 14400		<u>\$ (10,032.15)</u>	
TOTAL OF ALL CHARGES		<u><u>66,294,701</u></u>	<u><u>\$ 6,646,814.69</u></u>	