



RICHMOND POWER & LIGHT

Received: June 4, 2018

IURC 30-Day Filing No.: 50203

Indiana Utility Regulatory Commission

www.RP-L.com

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

May 31, 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: 3rd 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
sandra@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 Saturday June 2, 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





RICHMOND POWER & LIGHT

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P.O. BOX 908
RICHMOND, INDIANA 47375-0908
(765) 973-7200 FAX (765) 973-7286

May 30, 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 \$0.000177 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 July 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	\$	0.033314	per KWH
CL	\$	0.052882	per KWH
GP, GEH and EHS	\$	0.034087	per KWH
LPS and IS	\$	14.037295	per KVA
	\$	16.526714	per KW
	\$	0.010890	per KWH
OL, M, and N	\$	0.010907	per KWH

July , August and September 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	\$ 0.033314	per KWH
CL	\$ 0.052882	per KWH
GP, GEH, and EHS	\$ 0.034087	per KWH
LPS and IS	\$ 14.037295	per KVA
	\$ 16.526714	per KW
	\$ 0.010890	per KWH
OL, M, and N	\$ 0.010907	per KWH

Rate adjustment changes are listed below by Rate Schedules:

R	decrease	\$ 0.002830	per KWH
CL	decrease	\$ 0.004421	per KWH
GP, GEH, and EHS	decrease	\$ 0.001831	per KWH
LPS and IS	increase	\$ 0.814269	per KVA
	increase	\$ 0.958674	per KW
	decrease	\$ 0.000732	per KWH
OL, M, and N	decrease	\$ 0.000731	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 July 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
PNC Center
101 W. Washington Street
Suite 1500 East
Indianapolis, IN 46204-3407

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

[illegible]

Randy Baker personally appeared before me, a Notary Public in and for said county and state, this May 30, 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:

Jul-18

Aug-18

Sep-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)	140,129	8
9	ESTIMATED COSTS/(SAVINGS) PER KW (e)	\$0.558714	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	Jul-18	Aug-18	Sep-18	TOTAL	ESTIMATED 3 MONTH AVERAGE	LINE NO.
		(A)	(B)	(C)	(D)	(E)	
	PURCHASED POWER FROM IMPA						
1	KW DEMAND	142,492	138,502	139,392	420,386	140,129	1
2	KWH ENERGY	76,810,195	76,623,390	70,031,538	223,465,123	74,488,374	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW	(0.939)	(0.939)	(0.939)		(0.939)	3
4	CHARGE (a)	(\$133,799.99)	(\$130,053.38)	(\$130,889.09)	(\$394,742.45)	(\$131,580.82)	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH	(0.004650)	(0.004650)	(0.004650)		(0.004650)	5
6	CHARGE (b)	(\$357,167.41)	(\$356,298.76)	(\$325,646.65)	(\$1,039,112.82)	(\$346,370.94)	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

Jul-18

Aug-18

Sep-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)	\$0.558714	--	2
3	ESTIMATED PURCHASED POWER ENERGY COST ADJUSTMENT (c)	(\$0.938998)	-\$0.004650	3
4	ESTIMATED TOTAL CHANGE IN PURCHASED POWER RATE	\$12.651716	\$0.010673	4
5	EST CHANGE IN PURCHASED POWER RATE ADJ FOR LOSSES & GR INCOME TAX (d)	\$13.270385	\$0.011195	5
6	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (e)	\$0.000	\$0.000000	6
7	ESTIMATED TOTAL RATE ADJUSTMENT	\$13.270385	\$0.011195	7
8	ESTIMATED AVERAGE BILLING UNITS (f)	140,129	74,488,374	8
9	ESTIMATED INCREMENTAL CHANGE IN PURCHASED POWER COST (g)	\$1,859,565.78	\$833,897.35	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)	Jul-18 ALLOCATED ESTIMATED KW PURCHASED (b)	Aug-18 ALLOCATED ESTIMATED KWH PURCHASED (c)	Sep-18 INCREMENTAL CHANGE IN PURCHASED POWER COST ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX			LINE NO.
						DEMAND (d)	ENERGY (e)	TOTAL	
						(E)	(F)	(G)	
1	R	25.660%	25.357%	35,956.8	18,888,252	\$477,160.73	\$211,453.98	\$688,614.71	1
2	CL	8.839%	4.689%	12,386.1	3,492,680	\$164,368.53	\$39,100.56	\$203,469.09	2
3	GP, GEH & EHS	15.013%	14.991%	21,037.4	11,166,823	\$279,174.36	\$125,012.59	\$404,186.95	3
4	LPS, IS & TS	50.488%	53.880%	70,748.7	40,134,287	\$938,862.15	\$449,303.34	\$1,388,165.49	4
5	FLAT RATES	0.000%	1.082%	0.0	806,332	\$0.00	\$9,026.89	\$9,026.89	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%	140,129.0	74,488,374	\$1,859,565.78	\$833,897.35	\$2,693,463.13	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:

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.
		DEM	ENR	DEM (b)	ENR (c)	TOTAL	DEM	ENR	TOTAL	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
1	R	(\$55,009.42)	(\$4,362.14)	\$422,151.31	\$207,091.84	\$629,243.15	0.022350	0.010964	0.033314	1
2	CL	(\$17,933.24)	(\$836.84)	\$146,435.29	\$38,263.72	\$184,699.01	0.041926	0.010955	0.052882	2
3	GP, GEH & EHS	(\$20,296.52)	(\$3,245.36)	\$258,877.84	\$121,767.23	\$380,645.06	0.023183	0.010904	0.034087	3
4	LPS, IS & TS	\$230,381.39	(\$12,253.87)	\$1,169,243.54	\$437,049.47	\$1,606,293.01	0.029133	0.010890	0.040023	(f) 4
5	FLAT RATES	(\$0.02)	(\$231.96)	(\$0.02)	\$8,794.93	\$8,794.91	0.000000	0.010907	0.010907	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	\$137,142.18	(\$20,930.18)	\$1,996,707.96	\$812,967.17	\$2,809,675.13	0.026806	0.010914	0.037720	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	Jan-18	Feb-18	Mar-18	LINE NO.
			DEMAND RELATED	ENERGY RELATED	
			(A)	(B)	
1	INCREMENTAL CHANGE IN BASE RATE (a)		\$13.032	\$0.0153230	1
2	ACTUAL SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)		\$1.938	--	2
3	ACTUAL PURCHASED POWER ENERGY COST ADJUSTMENT (c)		(\$0.939)	(\$0.0046500)	3
4	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (d)		\$0.000	\$0.0000000	4
5	TOTAL RATE ADJUSTMENT (e)		\$14.031	\$0.0106730	5
6	ACTUAL AVERAGE BILLING UNITS (f)		135,603	77,953,821	6
7	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		\$1,902,607.32	\$832,001.13	7

(a) Attachment 1, Page 1 of 3, Line 1 of Tracker filing for the three months of:
Jan-18 Feb-18 Mar-18

(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)	Jan-18	Feb-18	Mar-18	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	25.660%	25.357%	34,795.4	19,766,996	\$488,205.10	\$210,973.15	\$699,178.25		1
2	CL	8.839%	4.689%	11,986.1	3,655,171	\$168,173.01	\$39,011.64	\$207,184.65		2
3	GP, GEH & EHS	15.013%	14.991%	20,357.9	11,686,341	\$285,636.13	\$124,728.32	\$410,364.45		3
4	LPS, IS & TS	50.488%	53.880%	68,463.6	42,001,467	\$960,593.07	\$448,281.66	\$1,408,874.73		4
5	FLAT RATES	0.000%	1.082%	0.0	843,845	\$0.00	\$9,006.36	\$9,006.36		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%	135,603.0	77,953,821	\$1,902,607.32	\$832,001.13	\$2,734,608.45		10

- (a) Page 2 of 3, Columns A and B of tracker filed for the months of Jan-18
(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

Feb-18 Mar-18

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)	Jan-18	Feb-18	Mar-18	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	19,541,250		0.030742	0.011016	\$592,326.79	\$212,252.68	\$51,676.82	(\$2,879.25)	1
2	CL	3,613,428		0.057254	0.011019	\$203,986.84	\$39,258.93	\$18,716.64	(\$550.53)	2
3	GP, GEH & EHS	11,552,879		0.030381	0.011043	\$346,074.18	\$125,792.34	\$41,087.76	(\$2,030.04)	3
4	LPS, IS & TS	41,521,796	68,464	13.281082	0.011044	\$896,540.59	\$452,146.78	\$155,588.47	(\$7,817.47)	4
5	FLAT RATES	834,208		0.000000	0.011035	\$0.00	\$9,076.61	(\$0.02)	(\$150.90)	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	77,063,561				\$2,038,928.40	\$838,527.35	\$267,069.67	(\$13,428.19)	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:

Jan-18

Feb-18

Mar-18

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

Jan-18

Feb-18

Mar-18

(d) Column A times Column B times the Gross Income Tax Factor of:

0.986

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

0.986

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

Jan-18

Feb-18

Mar-18

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

Jan-18

Feb-18

Mar-18

CITY OF RICHMOND, INDIANA

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF:

		Jan-18	Feb-18	Mar-18				
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	\$540,649.97	\$215,131.93	\$755,781.90	(\$52,444.87)	(\$4,158.78)	(\$56,603.65)	1
2	CL	\$185,270.20	\$39,809.46	\$225,079.67	(\$17,097.19)	(\$797.82)	(\$17,895.02)	2
3	GP, GEH & EHS	\$304,986.42	\$127,822.38	\$432,808.81	(\$19,350.29)	(\$3,094.06)	(\$22,444.36)	3
4	LPS, IS & TS	\$740,952.12	\$459,964.25	\$1,200,916.37	\$219,640.95	(\$11,682.59)	\$207,958.36	4
5	FLAT RATES	\$0.02	\$9,227.51	\$9,227.53	(\$0.02)	(\$221.15)	(\$221.17)	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	\$1,771,858.73	\$851,955.54	\$2,623,814.27	\$130,748.58	(\$19,954.41)	\$110,794.17	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	Jan-18	Feb-18	Mar-18	TOTAL	AVERAGE	LINE NO.
—	—	(A)	(B)	(C)	(D)	(E)	—
1	ACTUAL MEMBER GENERATING COSTS	\$59,577.60	\$493,827.00	\$0.00	\$553,404.60	\$184,468.20	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)	(\$494,668.40)	(\$60,419.00)	(\$554,246.00)	(\$1,109,333.40)	(\$369,777.80)	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)	\$137,869.60	\$572,119.00	\$78,292.00	\$788,280.60	\$262,760.20	7
8	ACTUAL MONTHLY KW BILLED (d)	136,920	137,279	132,611	406,810	135,603	8
9	ACTUAL CAPACITY PAYMENT SAVINGS PER KW (e)	\$1.007	\$4.168	\$0.590		\$1.938	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	Jan-18	Feb-18	Mar-18	TOTAL	ACTUAL 3 MONTH AVERAGE	LINE NO.
—	—	(A)	(B)	(C)	(D)	(E)	—
	PURCHASED POWER FROM IMPA						
1	KW DEMAND (a)	136,920	137,279	132,611	406,810	135,603	1
2	KWH ENERGY (a)	82,604,918	73,803,120	77,453,424	233,861,462	77,953,821	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW (a)	(0.939)	(0.939)	(0.939)		(0.939)	3
4	CHARGE (b)	(\$128,567.88)	(\$128,904.98)	(\$124,521.73)	(\$381,994.59)	(\$127,331.53)	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH (a)	(0.004650)	(0.004650)	(0.004650)		(0.004650)	5
6	CHARGE (c)	(\$384,112.87)	(\$343,184.51)	(\$360,158.42)	(\$1,087,455.80)	(\$362,485.27)	6
—	—						
	(a) From IMPA bills for the months of:	Jan-18	Feb-18	Mar-18			
	(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	Jan-18	Feb-18	Mar-18	TOTAL	AVERAGE	LINE NO.
-		(A)	(B)	(C)	(D)	(E)	-
1	R	22,448,246	20,411,000	15,764,504	58,623,750	19,541,250	1
2	CL	4,035,462	3,730,915	3,073,907	10,840,284	3,613,428	2
3	GP, GEH & EHS	12,289,866	11,299,633	11,069,138	34,658,637	11,552,879	3
4	LPS, IS & TS	39,646,590	40,780,534	44,138,264	124,565,388	41,521,796	4
5	FLAT RATES	881,071	804,005	817,549	2,502,625	834,208	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	79,301,235	77,026,087	74,863,362	231,190,684	77,063,561	10

DETERMINATION OF ACTUAL AVERAGE KVA SALES

LPS & IS	64,349	69,836	71,205	205,391	68,464
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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	Adjusted
		Sales	Total kWh	kWh Energy	Variance	kW Demand	kW Demand	kW Demand
				Factors		Factors	Factors	Allocators
Code	Rate Schedule Name/Description	(A)	(B)	(C)	(D)	(E)	(F)	(G)
R	Residential Electric Service	19,541,250	25.357%	21.898%	15.797%	22.955%	26.581%	25.660%
CL	Commercial Lighting Service	3,613,428	4.689%	4.005%	17.076%	7.821%	9.157%	8.839%
GP, GEH & EHS	Gen Power, Gen Electric Heat & Electric Heat Schools	11,552,879	14.991%	8.904%	68.367%	9.237%	15.552%	15.013%
LPS, IS & TS	Large Power, Industrial Service & Transmission Service	41,521,796	53.880%	64.065%	-15.898%	59.987%	50.488%	50.488%
FLAT RATES	Outdoor Lighting, Street Lighting	834,208	1.082%	1.128%	1.082%	0.000%	0.000%	0.000%
0	0	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
0	0	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
0	0	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Sales		77,063,561	100.000%	100.000%		100.000%	101.778%	100.000%
Purchases		77,953,821						
Average Losses		1.1%						

(A) From utility billing records

1/1/2018

2/1/2018

3/1/2018

(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:

Jul-18

Aug-18

Sep-18

LINE
NO.

-

Rates LPS, IS & TS

Demand Related Adjustment Factor

1	From Page 3 of 3, Column C, Line 4	\$1,169,243.54
2	From Page 2 of 3, Column C, Line 4	70,748.70 kW
3	Line 1 divided by Line 2	16.526714 per KW
4	Line 3 multiplied by 84.937%	14.037295
5	Demand Related Rate Adjustment Factor	14.037295 per KVA

Rates LPS, IS & TS

Energy Related Adjustment Factor

6	From Page 3 of 3, Column D, Line 4	\$437,049.47
7	From Page 2 of 3, Column D, Line 4	40,134,287 KWH
8	Line 6 divided by Line 7	\$0.010890
9	Energy Related Adjustment Factor	\$0.010890 per KWH

Energy Cost Adjustment (Revenue Report) KWH

	Jan-18	Feb-18	Mar-18
R - 44010	22,448,246	20,411,000	15,764,504
CWH - 44020			
K - 44030			
ASH - 44040			
CL - 44210	3,959,344	3,660,801	3,014,309
GP - 44220	11,702,639	10,761,495	10,627,462
IS - 44270	6,276,550	5,834,600	6,059,050
LPS - 44280	32,443,940	34,158,434	37,201,414
GEH - 44290	220,752	202,690	168,035
EH - 44250			
EHS - 44500	93,800	80,512	60,000
OL - 44260	261,028	254,613	239,219
FLAT - 44410 N	69,235	69,553	66,008
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	76,118	70,114	59,598
ST LIT - CITY M	550,808	479,839	512,322
GP - 44	127,734	130,066	109,039
GEH - 46	144,941	124,870	104,602
IS - IS	926,100	787,500	877,800
LPS - CITY	0	0	0
CITY BILLS	0	0	0
	79,301,235	77,026,087	74,863,362
BY RATE CLASS			
R	22,448,246	20,411,000	15,764,504
CL	4,035,462	3,730,915	3,073,907
GP, GEH, & EHS	12,289,866	11,299,633	11,069,138
LPS & IS	39,646,590	40,780,534	44,138,264
OL, M, & N	881,071	804,005	817,549
TOTAL	79,301,235	77,026,087	74,863,362
	79,301,235	77,026,087	74,863,362
LPS & IS Coincident kW	64,349	69,836	71,205
	78,420,164	76,222,082	74,045,813

CAPACITY COST REPORT		January 2018	February 2018	March 2018
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	0.00
509.1	NOX Allowances	0.00	0.00	0.00
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	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
TOTAL PRODUCTION COST		0.00	0.00	0.00
ADMN.& GENERAL COSTS(PRODUCTION RELATED)				
920	Admn and general salaries	82,813.94	96,687.18	96,667.99
921	Office supplies and expense	13,399.01	18,044.98	38,119.11
923	Outside services employed	1,193.61	3,469.20	3,729.79
925	Injuries and damages	37,244.96	32,799.10	15,925.79
926	Employee pension and benefits	317,810.00	332,816.96	342,170.72
928	Regulatory commission expenses	0.00	0.00	0.00
930	Misc general expense	253.85	2,806.65	281.71
931	Rents	0.00	0.00	0.00
932	Maint of general plant	13,148.99	23,214.59	15,571.64
933	Transportation	10,856.70	5,358.52	6,596.63
	Payroll taxes	<u>9,495.56</u>	<u>9,395.35</u>	<u>9,179.84</u>
TOTAL ADMN AND GENERAL EXPENSES		486,216.62	524,592.53	528,243.22
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	59,577.60	0.00	0.00
(E)	DEBT SERVICE	0.00	493,827.00	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	59,577.60	493,827.00	0.00

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

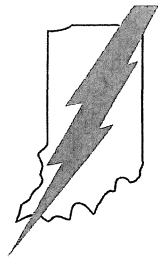
16	TOTAL PAYMENT	\$13,721,552.89	16
17	LESS TOTAL COST	(\$13,434,648.78)	17

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



IMPA
INDIANA MUNICIPAL POWER AGENCY

501.300

April 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 third quarter (July, August and September) of 2018.

If you have any questions, please feel free to call Larry Brown at (317) 428-6711.

Sincerely,

INDIANA MUNICIPAL POWER AGENCY

Larry Brown
Vice President, Planning & Rates

LB/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 JULY, AUGUST and SEPTEMBER
2018 - 3RD QUARTER**

	JUL	AUG	SEP	JUL	AUG	SEP
	<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						
RICHMOND	<u>kW</u>			<u>kWh</u>		
	142,492	138,502	139,392	76,810,195	76,623,390	70,031,538



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

Due Date:	Amount Due:
3/16/2018	\$ 5,353,079.89

Billing Period: January 1 to 31, 2018

Invoice No: INV0008208
Invoice Date: 2/14/2018

Summary of Charges

Demand Charges:	\$ 3,104,661.00
Energy Charges:	\$ 2,248,918.89
Subtotal - Purchased Power Charges*:	\$ 5,353,579.89
Other Charges and Credits:	\$ (500.00)
Net Amount Due:	\$ 5,353,079.89

*Average Purchased Power Cost: 6.48 cents per kWh

Due Date:	Amount Due:
3/16/2018	\$ 5,353,079.89

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 03/16/18

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: January 1 to 31, 2018

Due Date:	Amount Due:
3/16/2018	\$ 5,353,079.89

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	138,623	(340)	100.00%	01/16/18	1100	80.09%
CP Billing Demand:	136,920	(6,267)	99.90%	01/16/18	1900	81.09%
kvar at 97% PF:		34,315				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	23.614 / kW x		136,920	\$	3,233,228.88
ECA Demand Charge:	\$	(0.939) / kW x		136,920	\$	(128,567.88)
Total Demand Charges:					\$	3,104,661.00

Energy						
Energy Information	kWh					
Dist. Gen & WWVS Net Gen:	12,133,254					
Richmond 1:	17,872,668					
Richmond 2:	35,970,880					
Richmond Solar:	(2,232)					
Northwest:	11,182,276					
Treaty:	5,448,072					
Total Energy:	82,604,918					
Energy Charges	Rate		Units		Charge	
Base Energy Charge:	\$	0.031875 / kWh x		82,604,918	\$	2,633,031.76
ECA Energy Charge:	\$	(0.004650) / kWh x		82,604,918	\$	(384,112.87)
Total Energy Charges:					\$	2,248,918.89

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

History			
	Jan 2018	Jan 2017	2018 YTD
Max Demand (kW):	138,623	141,147	138,623
CP Demand (kW):	136,920	136,481	136,920
Energy (kWh):	82,604,918	81,350,481	82,604,918
CP Load Factor:	81.09%	80.12%	
HDD/CDD (Indianapolis):	1238/0	925/0	

IMP A Delivery Point Details

Richmond Power & Light

Billing Period: January 1, 2018 to January 31, 2018

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at RICHMOND's Maximum Peak on 01/16/18 at 1100 EST				Demand at IMPA's Coincident Peak on 01/16/18 at 1900 EST			
		Date & Time	Max kW	kvar at Max	kVA at Max	Power Factor	kW at Memb Max	kvar at Memb Max	kVA	Power Factor	CP kW	kvar at CP	kVA	Power Factor
TOTAL	82,604,918						138,623	(340)	138,623	100.00%	136,920	(6,267)	137,063	99.90%
* Richmond 1	17,872,668	01/24/18 at 0900 EST	40,541	(26,095)	48,213	84.09%	21,557	(21,738)	30,614	70.41%	27,486	(23,016)	35,850	76.67%
* Richmond 2	35,970,880	01/10/18 at 1000 EST	75,260	7,243	75,608	99.54%	46,578	20,710	50,975	91.37%	57,145	18,209	59,976	95.28%
* Richmond Solar	(2,232)	01/08/18 at 1600 EST	(2)	(3)	4	55.47%	(3)	(5)	6	51.45%	(3)	(6)	7	44.72%
* Northwest	11,182,276	01/30/18 at 1500 EST	24,671	(3,451)	24,911	99.04%	445	4,607	4,628	9.61%	2,932	3,036	4,221	69.47%
* Treaty	5,448,072	01/22/18 at 2300 EST	20,628	(3,295)	20,890	98.75%	(12,855)	357	12,860	99.96%	(10,874)	(627)	10,892	99.83%
* WWVS Generation	13,735,480	-	-	-	-	-	90,864	734	90,867	100.00%	67,065	682	67,068	99.99%
* WWVS House Power	(1,602,226)	-	-	-	-	-	(7,963)	(5,005)	9,405	84.67%	(6,831)	(4,545)	8,205	83.26%

RICHMOND WWVS PLANT
Billing Period: January 1, 2018 to January 31, 2018

RICHMOND WWVS PLANT
Billing Period: January 1, 2018 to January 31, 2018



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date:	Amount Due:
4/13/2018	\$ 5,121,591.27

Billing Period: February 1 to 28, 2018

Invoice No: INV0008301
Invoice Date: 3/14/2018

Summary of Charges

Demand Charges:	\$ 3,112,801.33
Energy Charges:	\$ 2,009,289.94
Subtotal - Purchased Power Charges*:	\$ 5,122,091.27
Other Charges and Credits:	\$ (500.00)
Net Amount Due:	\$ 5,121,591.27

*Average Purchased Power Cost: 6.94 cents per kWh

Due Date:	Amount Due:
4/13/2018	\$ 5,121,591.27

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 04/13/18
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: February 1 to 28, 2018

Due Date: 4/13/2018	Amount Due: \$ 5,121,591.27
-------------------------------	---------------------------------------

Demand						
Demand Information						
	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	138,582	(1,812)	99.99%	02/02/18	800	79.25%
CP Billing Demand:	137,279	(6,474)	99.89%	02/08/18	800	80.00%
kvar at 97% PF:		34,405				
Reactive Demand:		-				
Demand Charges						
	Rate		Units		Charge	
Base Demand Charge:	\$	23.614 / kW x	137,279		\$	3,241,706.31
ECA Demand Charge:	\$	(0.939) / kW x	137,279		\$	(128,904.98)
Total Demand Charges:					\$	3,112,801.33

Energy				
Energy Information		kWh		
Dist. Gen & WWVS Net Gen:		4,769,209		
Richmond 1:		20,559,447		
Richmond 2:		32,556,706		
Richmond Solar:		29,253		
Northwest:		10,767,359		
Treaty:		5,121,146		
Total Energy:		73,803,120		

Energy Charges		Rate	Units	Charge
Base Energy Charge:	\$	0.031875 / kWh x	73,803,120	\$ 2,352,474.45
ECA Energy Charge:	\$	(0.004650) / kWh x	73,803,120	\$ (343,184.51)
Total Energy Charges:				<u>\$ 2,009,289.94</u>

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

History			
	Feb 2018	Feb 2017	2018 YTD
Max Demand (kW):	138,582	133,996	138,623
CP Demand (kW):	137,279	133,463	137,279
Energy (kWh):	73,803,120	70,112,390	156,408,038
CP Load Factor:	80.00%	78.17%	
HDD/CDD (Indianapolis):	762/1	599/0	

IMPA Delivery Point Details

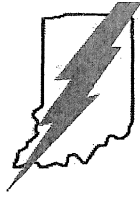
Richmond Power & Light

Billing Period: February 1, 2018 to February 28, 2018

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at RICHMOND's Maximum Peak on 02/02/18 at 0800 EST				Demand at IMPA's Coincident Peak on 02/08/18 at 0800 EST			
		Date & Time	Max kW	kvar at Max	kVA at Max	Power Factor	kW at Memb Max	kvar at Memb Max	kVA	Power Factor	CP kW	kvar at CP	kVA	Power Factor
TOTAL	73,803,120						138,582	(1,812)	138,594	99.99%	137,279	(6,474)	137,432	99.89%
* Richmond 1	20,559,447	02/08/18 at 1100 EST	47,743	(14,023)	49,760	95.95%	41,012	(19,811)	45,546	90.04%	37,256	(17,502)	41,162	90.51%
* Richmond 2	32,556,706	02/02/18 at 0800 EST	68,155	19,816	70,977	96.02%	68,155	19,816	70,977	96.02%	66,994	16,626	69,026	97.06%
* Richmond Solar	29,253	02/27/18 at 1100 EST	905	(161)	919	98.45%	(3)	(5)	6	51.45%	(3)	(3)	4	70.71%
* Northwest	10,767,359	02/08/18 at 1300 EST	24,751	(420)	24,755	99.99%	20,369	1,452	20,421	99.75%	21,840	(804)	21,855	99.93%
* Treaty	5,121,146	02/08/18 at 1300 EST	20,135	(3,605)	20,455	98.43%	9,489	(3,121)	9,989	94.99%	11,645	(4,644)	12,537	92.89%
* WWVS Generation	5,617,381	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS House Power	(848,172)	-	-	-	-	-	(440)	(143)	463	95.10%	(453)	(147)	476	95.12%

5

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IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date:	Amount Due:
5/16/2018	\$ 5,115,123.89

Billing Period: March 1 to 31, 2018

Invoice No: INV0008382
Invoice Date: 4/16/2018

Summary of Charges	
Demand Charges:	\$ 3,006,954.42
Energy Charges:	\$ 2,108,669.47
Subtotal - Purchased Power Charges*:	\$ 5,115,623.89
Other Charges and Credits:	\$ (500.00)
Net Amount Due:	\$ 5,115,123.89

*Average Purchased Power Cost: 6.61 cents per kWh

Due Date:	Amount Due:
5/16/2018	\$ 5,115,123.89

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 05/16/18
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: March 1 to 31, 2018

Due Date:	Amount Due:
5/16/2018	\$ 5,115,123.89

Demand						
Demand Information						
	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	132,611	(5,326)	99.92%	03/14/18	1000	78.50%
CP Billing Demand:	132,611	(5,326)	99.92%	03/14/18	1000	78.50%
kvar at 97% PF:		33,235				
Reactive Demand:		-				
Demand Charges						
	Rate		Units	Charge		
Base Demand Charge:	\$	23.614 / kW x	132,611	\$	3,131,476.15	
ECA Demand Charge:	\$	(0.939) / kW x	132,611	\$	(124,521.73)	
Total Demand Charges:					\$ 3,006,954.42	

Energy				
Energy Information		kWh		
Dist. Gen & WWVS Net Gen:		-		
Richmond 1:		22,253,449		
Richmond 2:		35,599,201		
Richmond Solar:		141,605		
Northwest:		13,815,212		
Treaty:		5,643,957		
Total Energy:		77,453,424		
Energy Charges		Rate	Units	Charge
Base Energy Charge:		\$ 0.031875 / kWh x	77,453,424	\$ 2,468,827.89
ECA Energy Charge:		\$ (0.004650) / kWh x	77,453,424	\$ (360,158.42)
Total Energy Charges:				\$ 2,108,669.47

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

History			
	Mar 2018	Mar 2017	2018 YTD
Max Demand (kW):	132,611	133,658	138,623
CP Demand (kW):	132,611	133,398	137,279
Energy (kWh):	77,453,424	77,208,090	233,861,462
CP Load Factor:	78.50%	77.79%	
HDD/CDD (Indianapolis):	811/0	652/2	

Richmond Power & Light
Billing Period: March 1, 2018 to March 31, 2018

[illegible]

IMPA Delivery Point Details

RICHMOND WWVS PLANT

Billing Period: March 1, 2018 to March 31, 2018

[illegible]

REVENUE REPORT

January-18

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>22,448,246</u>	<u>\$ 2,257,600.34</u>	
	Total R 44010	22,448,246	\$ 2,257,600.34	
COMMERCIAL				
		<u>3,959,344</u>	<u>\$ 579,922.60</u>	<u>0</u>
	Total CL 44210	3,959,344	\$ 579,922.60	0
GENERAL POWER				
		<u>11,702,639</u>	<u>\$ 1,179,587.04</u>	<u>15,644</u>
	Total GP 44220	11,702,639	\$ 1,179,587.04	15,644
INDUSTRIAL POWER				
	IS -COIN	4,738,300	\$ 424,607.63	12,691
	IS	<u>1,538,250</u>	<u>\$ 128,667.39</u>	<u>2,647</u>
	Total IS 44270	6,276,550	\$ 553,275.02	15,338
LARGE POWER				
	LPS-COIN	25,298,778	\$ 1,924,945.02	59,292
	LPS	<u>7,145,162</u>	<u>\$ 620,456.26</u>	<u>15,943</u>
	Total LPS 44280	32,443,940	\$ 2,545,401.28	75,235
GENERAL ELECT HEAT				
		<u>220,752</u>	<u>\$ 22,369.85</u>	<u>51</u>
	Total GEH 44290	220,752	\$ 22,369.85	51
ELECTRIC HEAT SCHOOLS				
	43	<u>93,800</u>	<u>\$ 8,902.94</u>	<u>153</u>
	Total EHS 44500	93,800	\$ 8,902.94	153
RESIDENTIAL - OLS				
		<u>261,028</u>	<u>\$ 21,827.42</u>	
	Total OLS 44260	261,028	\$ 21,827.42	
FLAT RATE (237)				
	Rate 8 - N	29,962	\$ 6,072.55	
	Rate 39 - CATV	<u>39,273</u>	<u>\$ 6,805.77</u>	
	Total N 44410	69,235	\$ 12,878.32	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>77,475,534</u>	<u>\$ 7,181,764.81</u>	<u>106,421</u>

January-18

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,807	\$ 2,031.31	
PUBLIC BLDGS - CITY	44230	69,311	\$ 9,585.48	
CITY STREET LIGHTS				
Rate 7	44420	<u>550,808</u>	<u>\$ 66,438.25</u>	
	CITY - GP 44	127,734	\$ 13,404.76	0
	CITY - GEH 46	144,941	\$ 14,831.20	78
	Sanitation - IS	<u>926,100</u>	<u>\$ 65,509.68</u>	<u>1,620</u>
	44240	1,198,775	\$ 93,745.64	1,698
	CITY -14610	<u>1,825,701</u>	<u>\$ 171,800.68</u>	<u>1,698</u>
TOTAL ALL REC'V [14210+14610]		<u><u>79,301,235</u></u>	<u><u>\$ 7,353,565.49</u></u>	<u><u>108,119</u></u>
	PENALTIES 45000		\$ 58,983.33	
	SALES TAX 24170		\$ 281,259.98	
	WRITE OFFS 14400		\$ 18,002.25	
TOTAL OF ALL CHARGES		<u><u>79,301,235</u></u>	<u><u>\$ 7,711,811.05</u></u>	

REVENUE REPORT

February-18

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>20,411,000</u>	<u>\$ 2,077,989.89</u>	
	Total R 44010	20,411,000	\$ 2,077,989.89	
COMMERCIAL				
		<u>3,660,801</u>	<u>\$ 543,571.15</u>	<u>0</u>
	Total CL 44210	3,660,801	\$ 543,571.15	0
GENERAL POWER				
		<u>10,761,495</u>	<u>\$ 1,088,958.34</u>	<u>14,603</u>
	Total GP 44220	10,761,495	\$ 1,088,958.34	14,603
INDUSTRIAL POWER				
	IS -COIN	4,458,650	\$ 378,856.52	12,673
	IS	<u>1,375,950</u>	<u>\$ 121,765.51</u>	<u>2,708</u>
	Total IS 44270	5,834,600	\$ 500,622.03	15,381
LARGE POWER				
	LPS-COIN	28,250,734	\$ 2,226,402.69	60,006
	LPS	<u>5,907,700</u>	<u>\$ 552,076.59</u>	<u>15,027</u>
	Total LPS 44280	34,158,434	\$ 2,778,479.28	75,033
GENERAL ELECT HEAT				
		<u>202,690</u>	<u>\$ 20,612.46</u>	<u>55</u>
	Total GEH 44290	202,690	\$ 20,612.46	55
ELECTRIC HEAT SCHOOLS				
	43	<u>80,512</u>	<u>\$ 7,641.72</u>	<u>150</u>
	Total EHS 44500	80,512	\$ 7,641.72	150
RESIDENTIAL - OLS				
		<u>254,613</u>	<u>\$ 21,636.69</u>	
	Total OLS 44260	254,613	\$ 21,636.69	
FLAT RATE (237)				
	Rate 8 - N	26,217	\$ 6,006.96	
	Rate 39 - CATV	<u>43,336</u>	<u>\$ 7,328.81</u>	
	Total N 44410	69,553	\$ 13,335.77	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>75,433,698</u>	<u>\$ 7,052,847.33</u>	<u>105,222</u>

February-18

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,795	\$ 2,029.74	
PUBLIC BLDGS - CITY	44230	63,319	\$ 8,959.80	
CITY STREET LIGHTS				
Rate 7	44420	<u>479,839</u>	<u>\$ 64,991.67</u>	
	CITY - GP 44	130,066	\$ 13,618.85	0
	CITY - GEH 46	124,870	\$ 12,933.44	80
	Sanitation - IS	787,500	\$ 57,826.76	1,627
	44240	<u>1,042,436</u>	<u>\$ 84,379.05</u>	<u>1,707</u>
	CITY -14610	<u>1,592,389</u>	<u>\$ 160,360.26</u>	<u>1,707</u>
TOTAL ALL REC'V [14210+14610]		<u><u>77,026,087</u></u>	<u><u>\$ 7,213,207.59</u></u>	<u><u>106,929</u></u>
	PENALTIES 45000		\$ 71,175.27	
	SALES TAX 24170		\$ 259,219.98	
	WRITE OFFS 14400		\$ 3,823.77	
TOTAL OF ALL CHARGES		<u><u>77,026,087</u></u>	<u><u>\$ 7,547,426.61</u></u>	

REVENUE REPORT

March-18

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>15,764,504</u>	<u>\$ 1,663,862.79</u>	
	Total R 44010	15,764,504	\$ 1,663,862.79	
COMMERCIAL				
		<u>3,014,309</u>	<u>\$ 459,316.59</u>	<u>0</u>
	Total CL 44210	3,014,309	\$ 459,316.59	0
GENERAL POWER				
			<u>\$ 1,078,846.06</u>	
		<u>10,627,462</u>	<u>\$ 1,078,846.06</u>	<u>15,303</u>
	Total GP 44220	10,627,462	\$ 1,078,846.06	15,303
INDUSTRIAL POWER				
	IS -COIN	4,588,500	\$ 417,266.06	12,592
	IS	1,470,550	\$ 123,459.91	2,467
	Total IS 44270	<u>6,059,050</u>	<u>\$ 540,725.97</u>	<u>15,059</u>
LARGE POWER				
	LPS-COIN	31,311,994	\$ 2,373,118.32	60,989
	LPS	<u>5,889,420</u>	<u>\$ 510,798.91</u>	<u>13,095</u>
	Total LPS 44280	37,201,414	\$ 2,883,917.23	74,084
GENERAL ELECT HEAT				
		<u>168,035</u>	<u>\$ 17,231.49</u>	<u>50</u>
	Total GEH 44290	168,035	\$ 17,231.49	50
ELECTRIC HEAT SCHOOLS				
	43	<u>60,000</u>	<u>\$ 5,694.85</u>	<u>124</u>
	Total EHS 44500	60,000	\$ 5,694.85	124
RESIDENTIAL - OLS				
		<u>239,219</u>	<u>\$ 21,243.98</u>	
	Total OLS 44260	239,219	\$ 21,243.98	
FLAT RATE (237)				
	Rate 8 - N	28,089	\$ 6,014.45	
	Rate 39 - CATV	<u>37,919</u>	<u>\$ 6,631.46</u>	
	Total N 44410	66,008	\$ 12,645.91	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>73,200,001</u>	<u>\$ 6,683,484.87</u>	<u>104,620</u>

March-18

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,197	\$ 1,952.81	
PUBLIC BLDGS - CITY	44230	53,401	\$ 7,573.58	
CITY STREET LIGHTS				
Rate 7	44420	<u>512,322</u>	<u>\$ 64,957.58</u>	
	CITY - GP 44	109,039	\$ 11,919.28	0
	CITY - GEH 46	104,602	\$ 11,123.33	81
	Sanitation - IS	<u>877,800</u>	<u>\$ 60,444.15</u>	<u>1,516</u>
	44240	1,091,441	\$ 83,486.76	1,597
	CITY -14610	<u>1,663,361</u>	<u>\$ 157,970.73</u>	<u>1,597</u>
TOTAL ALL REC'V [14210+14610]		<u><u>74,863,362</u></u>	<u><u>\$ 6,841,455.60</u></u>	<u><u>106,217</u></u>
	PENALTIES 45000		\$ 55,152.21	
	SALES TAX 24170		\$ 223,380.70	
	WRITE OFFS 14400		\$ 36,019.38	
TOTAL OF ALL CHARGES		<u><u>74,863,362</u></u>	<u><u>\$ 7,156,007.89</u></u>	