



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

August 31, 2017

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: 4th Quarter 2017 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 Wednesday September 6, 2017. 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





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

August 30, 2017

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 \$0.003935 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 October 2017 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	\$	0.039136	per KWH
CL	\$	0.061840	per KWH
GP, GEH and EHS	\$	0.038834	per KWH
LPS and IS	\$	13.703861	per KVA
	\$	16.134147	per KW
	\$	0.012742	per KWH
OL, M, and N	\$	0.012770	per KWH

October , November and December 2017

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	\$ 0.039136	per KWH
CL	\$ 0.061840	per KWH
GP, GEH, and EHS	\$ 0.038834	per KWH
LPS and IS	\$ 13.703861	per KVA
	\$ 16.134147	per KW
	\$ 0.012742	per KWH
OL, M, and N	\$ 0.012770	per KWH

Rate adjustment changes are listed below by Rate Schedules:

R	decrease	\$ 0.000628	per KWH
CL	decrease	\$ 0.001226	per KWH
GP, GEH, and EHS	decrease	\$ 0.000608	per KWH
LPS and IS	decrease	\$ 0.938175	per KVA
	decrease	\$ 1.104555	per KW
	no change	\$ 0.000000	per KWH
OL, M, and N	increase	\$ 0.000019	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 October 2017 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

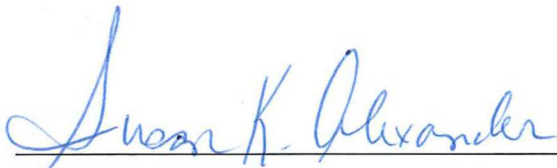
Office of Utility Consumer Counselor
PNC Center
115 W. Washington Street
Suite 1500 South
Indianapolis, IN 46204-3407

STATE OF INDIANA)
) SS:
COUNTY OF WAYNE)

Randy Baker personally appeared before me, a Notary Public in and for said county and state, this August 30, 2017 , 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-17	(a)	\$22.965	\$0.030565	1
2	BASE RATE EFFECTIVE	01-Apr-05	(b)	\$10.582	\$0.016552	2
3	INCREMENTAL CHANGE IN BASE RATE (c)			\$12.383	\$0.014013	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:

LINE NO.	DESCRIPTION	Oct-17	Nov-17	Dec-17	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)			123,409	8
9	ESTIMATED COSTS/(SAVINGS) PER KW (e)			\$0.634411	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	Oct-17	Nov-17	Dec-17	TOTAL	ESTIMATED 3 MONTH AVERAGE	LINE NO.
		(A)	(B)	(C)		(D)	
PURCHASED POWER FROM IMPA							
1	KW DEMAND	115,258	127,440	127,530	370,228	123,409	1
2	KWH ENERGY	74,127,894	72,615,139	79,614,659	226,357,692	75,452,564	2
INCREMENTAL PURCHASED POWER COSTS							
DEMAND RELATED							
3	ECA FACTOR PER KW	0.416	0.416	0.416		0.416	3
4	CHARGE (a)	\$47,947.33	\$53,015.04	\$53,052.48	\$154,014.85	\$51,338.28	4
ENERGY RELATED							
5	ECA FACTOR PER KWH	(0.001775)	(0.001775)	(0.001775)		(0.001775)	5
6	CHARGE (b)	(\$131,577.01)	(\$128,891.87)	(\$141,316.02)	(\$401,784.90)	(\$133,928.30)	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:

LINE NO.	RATE SCHEDULE	KW DEMAND ALLOCATOR (%) (a)	KWH ENERGY ALLOCATOR (%) (a)	Oct-17	Nov-17	Dec-17			LINE NO.
				ALLOCATED ESTIMATED KW PURCHASED (b)	ALLOCATED ESTIMATED KWH PURCHASED (c)	INCREMENTAL CHANGE IN PURCHASED POWER COST ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX			
						DEMAND (d)	ENERGY (e)	TOTAL	
(A)	(B)	(C)	(D)	(E)	(F)	(G)			
1	R	19.601%	17.381%	24,190.0	13,114,725	\$341,573.64	\$168,707.83	\$510,281.47	1
2	CL	7.501%	3.570%	9,256.7	2,693,976	\$130,709.07	\$34,655.30	\$165,364.37	2
3	GP, GEH & EHS	17.455%	15.641%	21,541.6	11,801,239	\$304,176.52	\$151,811.13	\$455,987.65	3
4	LPS, IS & TS	55.442%	62.189%	68,420.7	46,923,136	\$966,131.76	\$603,619.22	\$1,569,750.98	4
5	FLAT RATES	0.000%	1.219%	0.0	919,488	\$0.00	\$11,828.30	\$11,828.30	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%	123,409.0	75,452,564	\$1,742,590.98	\$970,621.78	\$2,713,212.76	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:

Oct-17 Nov-17 Dec-17

TOTAL CHANGE IN PURCHASED POWER COST
ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX

RATE ADJUSTMENT FACTOR PER KWH (d)

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	\$3,729.74	(\$748.23)	\$345,303.38	\$167,959.60	\$513,262.98	0.026329	0.012807	0.039136	1
2	CL	\$1,425.74	(\$193.93)	\$132,134.81	\$34,461.37	\$166,596.18	0.049048	0.012792	0.061840	2
3	GP, GEH & EHS	\$3,378.63	(\$1,081.60)	\$307,555.15	\$150,729.53	\$458,284.68	0.026061	0.012772	0.038834	3
4	LPS, IS & TS	\$137,777.88	(\$5,717.06)	\$1,103,909.64	\$597,902.16	\$1,701,811.80	0.023526	0.012742	0.036268	(f) 4
5	FLAT RATES	(\$0.02)	(\$86.65)	(\$0.02)	\$11,741.65	\$11,741.63	0.000000	0.012770	0.012770	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	\$146,311.98	(\$7,827.47)	\$1,888,902.96	\$962,794.31	\$2,851,697.26	0.025034	0.012760	0.037795	10

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

0.951344282

(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	Apr-17	May-17	Jun-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)		\$0.610	--	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)		\$13.409	\$0.0122380	5
6	ACTUAL AVERAGE BILLING UNITS (f)		128,366	71,788,906	6
7	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		\$1,721,248.40	\$878,552.63	7

(a) Attachment 1, Page 1 of 3, Line 1 of Tracker filing for the three months of:
Apr-17 May-17 Jun-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)	Apr-17	May-17	Jun-17			LINE NO.
				ALLOCATED ACTUAL KW PURCHASED (b)	ALLOCATED ACTUAL KWH PURCHASED (c)	INCREMENTAL CHANGE IN PURCHASED POWER COST			
				(C)	(D)	DEMAND (d)	ENERGY (e)	TOTAL	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	
1	R	19.601%	17.381%	25,161.6	12,477,930	\$337,390.17	\$152,704.90	\$490,095.07	1
2	CL	7.501%	3.570%	9,628.5	2,563,168	\$129,108.20	\$31,368.04	\$160,476.24	2
3	GP, GEH & EHS	17.455%	15.641%	22,406.8	11,228,220	\$300,451.08	\$137,410.96	\$437,862.04	3
4	LPS, IS & TS	55.442%	62.189%	71,169.0	44,644,747	\$954,298.95	\$546,362.41	\$1,500,661.36	4
5	FLAT RATES	0.000%	1.219%	0.0	874,842	\$0.00	\$10,706.31	\$10,706.31	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%	128,366.0	71,788,906	\$1,721,248.40	\$878,552.63	\$2,599,801.03	10

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

May-17 Jun-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)	Apr-17	May-17	Jun-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	12,154,356		0.027938	0.013388	\$334,814.44	\$160,444.40	\$972.54	\$7,027.68	1
2	CL	2,496,700		0.052090	0.013391	\$128,232.36	\$32,965.24	\$480.53	\$1,412.71	2
3	GP, GEH & EHS	10,937,054		0.027855	0.013408	\$300,386.52	\$144,591.00	\$3,149.68	\$6,151.07	3
4	LPS, IS & TS	43,487,033	71,169	13.399399	0.013405	\$940,271.21	\$574,782.47	\$117,046.46	\$22,981.16	4
5	FLAT RATES	852,156		0.000000	0.013401	\$0.00	\$11,259.87	(\$0.02)	\$471.12	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	69,927,299				\$1,703,704.53	\$924,042.98	\$121,649.19	\$38,043.74	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:

Apr-17	May-17	Jun-17
Apr-17	May-17	Jun-17
0.986		
0.986		
Apr-17	May-17	Jun-17
Apr-17	May-17	Jun-17

CITY OF RICHMOND, INDIANA

RECONCILIATION OF VARIANCES FOR THE
THREE MONTHS OF:

LINE NO.	RATE SCHEDULE	NET INCREMENTAL COST BILLED BY MEMBER			VARIANCE			LINE NO.
		APR-17	MAY-17	JUN-17	APR-17	MAY-17	JUN-17	
		DEMAND (a)	ENERGY (b)	TOTAL	DEMAND (c)	ENERGY (c)	TOTAL (c)	
		(A)	(B)	(C)	(D)	(E)	(F)	
1	R	\$333,841.90	\$153,416.72	\$487,258.62	\$3,548.27	(\$711.82)	\$2,836.45	1
2	CL	\$127,751.83	\$31,552.53	\$159,304.36	\$1,356.37	(\$184.49)	\$1,171.88	2
3	GP, GEH & EHS	\$297,236.84	\$138,439.93	\$435,676.77	\$3,214.24	(\$1,028.97)	\$2,185.27	3
4	LPS, IS & TS	\$823,224.75	\$551,801.31	\$1,375,026.06	\$131,074.20	(\$5,438.90)	\$125,635.30	4
5	FLAT RATES	\$0.02	\$10,788.75	\$10,788.77	(\$0.02)	(\$82.44)	(\$82.46)	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	\$1,582,055.34	\$885,999.24	\$2,468,054.58	\$139,193.06	(\$7,446.62)	\$131,746.44	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	Apr-17	May-17	Jun-17	TOTAL	AVERAGE	LINE NO.
		April	May	June			
		(A)	(B)	(C)	(D)	(E)	
1	ACTUAL MEMBER GENERATING COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	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)	(\$554,246.00)	(\$1,662,738.00)	(\$554,246.00)	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	\$78,292.00	\$234,876.00	\$78,292.00	7
8	ACTUAL MONTHLY KW BILLED (d)	118,344	123,794	142,959	385,097	128,366	8
9	ACTUAL CAPACITY PAYMENT SAVINGS PER KW (e)	\$0.662	\$0.632	\$0.548		\$0.610	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	Apr-17	May-17	Jun-17	TOTAL	ACTUAL 3 MONTH AVERAGE	LINE NO.
		Apr-17	May-17	Jun-17		(E)	
		(A)	(B)	(C)	(D)	(E)	
	PURCHASED POWER FROM IMPA						
1	KW DEMAND (a)	118,344	123,794	142,959	385,097	128,366	1
2	KWH ENERGY (a)	67,629,473	71,713,070	76,024,174	215,366,717	71,788,906	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)	\$49,231.10	\$51,498.30	\$59,470.94	\$160,200.35	\$53,400.12	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH (a)	(0.001775)	(0.001775)	(0.001775)		(0.001775)	5
6	CHARGE (c)	(\$120,042.31)	(\$127,290.70)	(\$134,942.91)	(\$382,275.92)	(\$127,425.31)	6

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

Apr-17

May-17

Jun-17

CITY OF RICHMOND, INDIANA

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

LINE NO.	RATE SCHEDULE	Apr-17	May-17	Jun-17	TOTAL	AVERAGE	LINE NO.
		Apr-17	May-17	Jun-17			
-		(A)	(B)	(C)	(D)	(E)	-
1	R	13,962,969	9,636,831	12,863,268	36,463,068	12,154,356	1
2	CL	2,858,522	2,073,135	2,558,444	7,490,101	2,496,700	2
3	GP, GEH & EHS	10,824,038	10,436,423	11,550,700	32,811,161	10,937,054	3
4	LPS, IS & TS	41,746,310	43,599,350	45,115,440	130,461,100	43,487,033	4
5	FLAT RATES	853,786	846,328	856,353	2,556,467	852,156	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	70,245,625	66,592,067	72,944,205	209,781,897	69,927,299	10

DETERMINATION OF ACTUAL AVERAGE KVA SALES

LPS & IS	68,686	70,622	74,198	213,507	71,169
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CITY OF RICHMOND, INDIANA

DETERMINATION OF ACTUAL KW DEMAND ALLOCATION AND KWH ENERGY ALLOCATION FACTORS

Rate Tariffs		Average	Percent of	Rate Study	Rate Study	Adjusted	Adjusted	
Code	Rate Schedule Name/Description	Sales	Total kWh	kWh Energy	kW Demand	Adjusted	kW Demand	
				Factors	Variance	Factors	Allocators	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
R	Residential Electric Service	12,154,356	17.381%	21.898%	-20.626%	22.955%	18.220%	19.601%
CL	Commercial Lighting Service	2,496,700	3.570%	4.005%	-10.851%	7.821%	6.972%	7.501%
GP, GEH & EHS	Gen Power, Gen Electric Heat & Electric Heat Schools	10,937,054	15.641%	8.904%	75.658%	9.237%	16.226%	17.455%
LPS, IS & TS	Large Power, Industrial Service & Transmission Service	43,487,033	62.189%	64.065%	-2.928%	59.987%	55.442%	55.442%
FLAT RATES	Outdoor Lighting, Street Lighting	852,156	1.219%	1.128%	1.219%	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	69,927,299	100.000%	100.000%		100.000%	96.861%	100.000%
	Purchases	71,788,906						
	Average Losses	2.6%						

- (A) From utility billing records
- (B) (A)/total of column (A)
- (C) Taken from last cost of service study.
- (D) Column (B)/Column (C)
- (E) Taken from last cost of service study
- (F) (1 + Column (D)) * (Column (E))
- (G) Column (F)/total of Column (F)

4/1/2017 5/1/2017 6/1/2017

CITY OF RICHMOND, INDIANA

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

LINE NO.	Oct-17	Nov-17	Dec-17
-	Rates LPS, IS & TS		

	Demand Related Adjustment Factor		
1		\$1,103,909.64	
2		68,420.70 kW	
3		16.134147 per KW	
4		13.703861	
5		13.703861 per KVA	
	Rates LPS, IS & TS		

	Energy Related Adjustment Factor		
6		\$597,902.16	
7		46,923,136 KWH	
8		\$0.012742	
9		\$0.012742 per KWH	

Energy Cost Adjustment (Revenue Report) KWH

	Apr-17	May-17	Jun-17
R - 44010	13,962,969	9,636,831	12,863,268
CWH - 44020			
K - 44030			
ASH - 44040			
CL - 44210	2,799,853	2,033,987	2,512,848
GP - 44220	10,356,401	10,033,009	11,085,337
IS - 44270	5,716,600	6,018,150	6,403,650
LPS - 44280	35,254,810	36,785,300	37,984,140
GEH - 44290	191,675	131,373	149,550
EH - 44250			
EHS - 44500	58,404	56,628	56,976
OL - 44260	273,497	242,669	255,584
FLAT - 44410 N	66,426	73,298	71,008
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	58,669	39,148	45,596
ST LIT - CITY M	513,863	530,361	529,761
GP - 44	119,028	101,499	128,237
GEH - 46	98,530	113,914	130,600
IS - IS	774,900	795,900	727,650
LPS - CITY	0	0	0
CITY BILLS	0	0	0
	70,245,625	66,592,067	72,944,205
BY RATE CLASS			
R	13,962,969	9,636,831	12,863,268
CL	2,858,522	2,073,135	2,558,444
GP, GEH, & EHS	10,824,038	10,436,423	11,550,700
LPS & IS	41,746,310	43,599,350	45,115,440
OL, M, & N	853,786	846,328	856,353
TOTAL	70,245,625	66,592,067	72,944,205
	70,245,625	66,592,067	72,944,205
LPS & IS Coincident kW	68,686	70,622	74,198
	69,391,839	65,745,739	72,087,852

CAPACITY COST REPORT

	April 2017	May 2017	June 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	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	93,124.97	\$95,472.82	159,538.06
921	Office supplies and expense	36,656.75	29,775.14	26,969.53
923	Outside services employed	32,949.18	55,121.55	11,856.86
925	Injuries and damages	32,394.48	28,232.01	26,402.32
926	Employee pension and benefits	298,982.89	304,550.44	286,524.85
928	Regulatory commission expenses	28,660.00	0.00	0.00
930	Misc general expense	1,380.25	1,297.00	1,774.40
931	Rents	0.00	0.00	0.00
932	Maint of general plant	31,581.62	39,462.61	39,135.01
933	Transportation	6,417.95	4,698.40	6,731.42
	Payroll taxes	<u>9,166.14</u>	<u>9,350.71</u>	<u>14,515.65</u>
	TOTAL ADMN AND GENERAL EXPENSES	571,314.23	567,960.68	573,448.10
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	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	<u>\$10,834,921.78</u>	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	<u>\$864,124.87</u>	10
11	TOTAL OPERATING REVENUE DEDUCTIONS	<u>\$12,612,282.78</u>	11
12	PROVISION FOR DEBT SERVICE	\$822,366.00	12
13	TOTAL COST	<u>\$13,434,648.78</u>	13
	CAPACITY PURCHASE PAYMENTS		
14	CAPACITY PAYMENT ** \$4.29 KW - MONTH X 93,400 KW X 12 MONTHS	\$4,808,232.00	14
15	FUEL PAYMENT \$.020093 KWH X 443,603,289 KWH	\$8,913,320.89	15
16	TOTAL PAYMENT	<u>\$13,721,552.89</u>	16
17	LESS TOTAL COST	<u>(\$13,434,648.78)</u>	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

July 6, 2017

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 fourth quarter (October, November and December) of 2017.

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

**INDIANA MUNICIPAL POWER AGENCY
 ECA ESTIMATES FOR OCTOBER, NOVEMBER and DECEMBER
 2017 - 4TH QUARTER**

	OCT	NOV	DEC	OCT	NOV	DEC
	\$/kW-month			\$/kWh		
IMPA's Energy Cost Adjustment	0.416	0.416	0.416	(0.001775)	(0.001775)	(0.001775)
	kW			kWh		
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for RICHMOND	115,258	127,440	127,530	74,127,894	72,615,139	79,614,659



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date: 6/14/2017	Amount Due: \$ 4,713,553.59
-------------------------------	---------------------------------------

Billing Period: April 1 to 30, 2017

Invoice No: INV0007441
 Invoice Date: 5/15/2017

Summary of Charges	
Demand Charges:	\$ 2,767,001.06
Energy Charges:	\$ 1,947,052.53
Subtotal - Purchased Power Charges*:	<u>\$ 4,714,053.59</u>
Other Charges and Credits:	\$ (500.00)
Net Amount Due:	<u><u>\$ 4,713,553.59</u></u>

*Average Purchased Power Cost: 6.97 cents per kWh

Due Date: 6/14/2017	Amount Due: \$ 4,713,553.59
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To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 06/14/17
 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: April 1 to 30, 2017

Due Date:	Amount Due:
6/14/2017	\$ 4,713,553.59

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	119,872	(10,853)	99.59%	04/07/17	1000	78.36%
CP Billing Demand:	118,344	(9,645)	99.67%	04/06/17	1100	79.37%
kvar at 97% PF:		29,660				
Reactive Demand:		-				
Demand Charges		Rate		Units		Charge
Base Demand Charge:		\$ 22.965 /kW x		118,344		\$ 2,717,769.96
ECA Demand Charge:		\$ 0.416 /kW x		118,344		\$ 49,231.10
Total Demand Charges:						\$ 2,767,001.06

Energy			
Energy Information	kWh		
WWVS Net Gen:	-		
Richmond 1:	19,862,591		
Richmond 2:	29,820,698		
Richmond Solar:	182,839		
Northwest:	8,675,174		
Treaty:	9,088,171		
Total Energy:	67,629,473		
Energy Charges	Rate	Units	Charge
Base Energy Charge:	\$ 0.030565 / kWh x	67,629,473	\$ 2,067,094.84
ECA Energy Charge:	\$ (0.001775) / kWh x	67,629,473	\$ (120,042.31)
Total Energy Charges:			\$ 1,947,052.53

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

History	Apr 2017	Apr 2016	2017 YTD
Max Demand (kW):	119,872	121,979	141,147
CP Demand (kW):	118,344	119,466	136,481
Energy (kWh):	67,629,473	70,950,649	296,300,434
CP Load Factor:	79.37%	82.49%	
HDD/CDD (Indianapolis):	190/30	350/18	



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date: 7/14/2017	Amount Due: \$ 4,958,546.79
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Billing Period: May 1 to 31, 2017

Invoice No: INV0007541
Invoice Date: 6/14/2017

Summary of Charges	
Demand Charges:	\$ 2,894,427.51
Energy Charges:	\$ 2,064,619.28
Subtotal - Purchased Power Charges*:	\$ 4,959,046.79
Other Charges and Credits:	\$ (500.00)
Net Amount Due:	\$ 4,958,546.79

*Average Purchased Power Cost: 6.92 cents per kWh

Due Date: 7/14/2017	Amount Due: \$ 4,958,546.79
-------------------------------	---------------------------------------

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 07/14/17
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: May 1 to 31, 2017

Due Date:	Amount Due:
7/14/2017	\$ 4,958,546.79

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	126,386	853	100.00%	05/19/17	1300	76.27%
CP Billing Demand:	123,794	1,237	100.00%	05/18/17	1800	77.86%
kvar at 97% PF:		31,026				
Reactive Demand:		-				

Demand Charges	Rate	Units	Charge
Base Demand Charge:	\$ 22.965 / kW x	123,794	\$ 2,842,929.21
ECA Demand Charge:	\$ 0.416 / kW x	123,794	\$ 51,498.30
Total Demand Charges:			\$ 2,894,427.51

Energy	
Energy Information	kWh
WWVS Net Gen:	809,934
Richmond 1:	22,718,147
Richmond 2:	30,384,184
Richmond Solar:	198,936
Northwest:	-
Treaty:	17,601,869
Total Energy:	71,713,070

Energy Charges	Rate	Units	Charge
Base Energy Charge:	\$ 0.030565 / kWh x	71,713,070	\$ 2,191,909.98
ECA Energy Charge:	\$ (0.001775) / kWh x	71,713,070	\$ (127,290.70)
Total Energy Charges:			\$ 2,064,619.28

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

History	May 2017	May 2016	2017 YTD
Max Demand (kW):	126,386	127,993	141,147
CP Demand (kW):	123,794	127,182	136,481
Energy (kWh):	71,713,070	70,555,192	368,013,504
CP Load Factor:	77.86%	74.56%	
HDD/CDD (Indianapolis):	147/74	159/83	

IMPA Delivery Point Details

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

Delivery Point	Energy kWh	<u>Individual Substation Maximum Demand</u>					<u>Demand at RICHMOND's Maximum Peak</u> <u>on 05/19/17 at 1300 EST</u>				<u>Demand at IMPA's Coincident Peak</u> <u>on 05/18/17 at 1800 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	71,713,070						126,386	853	126,389	100.00%	123,794	1,237	123,800	100.00%
* Richmond 1	22,718,147	05/30/17 at 1500 EST	46,245	16,836	49,214	93.97%	33,489	4,822	33,834	98.98%	45,387	13,574	47,373	95.81%
* Richmond 2	30,384,184	05/05/17 at 0700 EST	55,219	(4,347)	55,390	99.69%	29,872	(1,758)	29,924	99.83%	49,255	(8,965)	50,064	98.38%
* Richmond Solar	198,936	05/07/17 at 1000 EST	1,045	(190)	1,062	98.39%	863	(157)	877	98.39%	692	(124)	703	98.43%
* Northwest	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* Treaty	17,601,869	05/16/17 at 1300 EST	70,479	(6,648)	70,792	99.56%	62,485	(1,853)	62,512	99.96%	28,714	(3,103)	28,881	99.42%
* WWVS Generation	1,190,933	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS House Power	(380,999)	-	-	-	-	-	(323)	(201)	380	84.90%	(254)	(145)	292	86.85%

IMPA Delivery Point Details

RICHMOND WWVS PLANT
Billing Period: May 1, 2017 to May 31, 2017

Delivery Point	Energy kWh	Individual Substation Maximum Demand				Demand at RICHMOND's Maximum Peak				Demand at IMPA's Coincident Peak				
		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	809,934						(323)	(201)	380	-84.90%	(254)	(145)	292	-86.85%
* WWVS Gen1	227,430	05/23/17 at 1600 EST	32,974	-	32,974	100.00%	-	-	-	-	-	-	-	-
* WWVS Gen2	963,503	05/23/17 at 0800 EST	63,658	1,906	63,687	99.96%	-	-	-	-	-	-	-	-
* WWVS SO2MonitorHP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS PumpHouseHP	(2,270)	05/16/17 at 0900 EST	(86)	(57)	103	83.35%	(1)	-	1	100.00%	(1)	-	1	100.00%
* WWVS LIFAC1HP	(38,593)	05/23/17 at 0500 EST	(93)	(26)	97	96.31%	(55)	(11)	56	98.06%	(49)	(10)	50	97.98%
* WWVS LIFAC2HP	-	-	-	(1)	1	-	-	(1)	1	-	-	(1)	1	-
* WWVS LIFAC-TWRHP	(2,239)	05/05/17 at 0200 EST	(10)	(1)	10	99.50%	(3)	(1)	3	94.87%	(2)	(1)	2	89.44%
* WWVS ZeroDischargeHP	(3,817)	05/19/17 at 1500 EST	(20)	(14)	24	81.92%	(17)	(13)	21	79.44%	-	-	-	-
* WWVS FirePump1HP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS FirePump2HP	(984)	05/06/17 at 0500 EST	(5)	(2)	5	92.85%	(1)	(2)	2	44.72%	(1)	(3)	3	31.62%
* WWVS BaghouseHP	(75,003)	05/15/17 at 1000 EST	(858)	(524)	1,005	85.34%	(97)	(47)	108	89.99%	(57)	(3)	57	99.86%
* WWVS G1HP1	(7,988)	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS G1HP2	(81,874)	05/23/17 at 1600 EST	(74)	-	74	100.00%	(74)	(58)	94	78.71%	(69)	(56)	89	77.65%
* WWVS G2HP1	(87,656)	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS G2HP2	(80,575)	05/22/17 at 1200 EST	(75)	-	75	100.00%	(75)	(68)	101	74.08%	(75)	(71)	103	72.62%



IMPA
INDIANA MUNICIPAL POWER AGENCY

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

Due Date: 8/14/2017	Amount Due: \$ 5,530,760.35
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Billing Period: June 1 to 30, 2017

Invoice No: INV0007618
Invoice Date: 7/14/2017

Summary of Charges

Demand Charges:	\$ 3,342,524.38
Energy Charges:	\$ 2,188,735.97
Subtotal - Purchased Power Charges*:	\$ 5,531,260.35
Other Charges and Credits:	\$ (500.00)
Net Amount Due:	\$ 5,530,760.35

*Average Purchased Power Cost: 7.28 cents per kWh

Due Date: 8/14/2017	Amount Due: \$ 5,530,760.35
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To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 08/14/17
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: June 1 to 30, 2017

Due Date:	Amount Due:
8/14/2017	\$ 5,530,760.35

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	143,522	19,667	99.07%	06/12/17	1500	73.57%
CP Billing Demand:	142,959	19,604	99.07%	06/12/17	1600	73.86%
kvar at 97% PF:		35,829				
Reactive Demand:		-				
Demand Charges		Rate		Units		Charge
Base Demand Charge:		\$ 22.965 /kW x		142,959		\$ 3,283,053.44
ECA Demand Charge:		\$ 0.416 /kW x		142,959		\$ 59,470.94
Total Demand Charges:						\$ 3,342,524.38

Energy						
Energy Information	kWh					
WWVS Net Gen:	4,817,024					
Richmond 1:	20,626,922					
Richmond 2:	32,967,038					
Richmond Solar:	250,877					
Northwest:	9,586,180					
Treaty:	7,776,133					
Total Energy:	76,024,174					
Energy Charges		Rate		Units		Charge
Base Energy Charge:		\$ 0.030565 /kWh x		76,024,174		\$ 2,323,678.88
ECA Energy Charge:		\$ (0.001775) /kWh x		76,024,174		\$ (134,942.91)
Total Energy Charges:						\$ 2,188,735.97

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

History			
	Jun 2017	Jun 2016	2017 YTD
Max Demand (kW):	143,522	146,780	143,522
CP Demand (kW):	142,959	145,832	142,959
Energy (kWh):	76,024,174	78,492,855	444,037,678
CP Load Factor:	73.86%	74.76%	
HDD/CDD (Indianapolis):	3/220	1/295	

IMPA Delivery Point Details

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

Delivery Point	Energy kWh	<u>Individual Substation Maximum Demand</u>					<u>Demand at RICHMOND's Maximum Peak on 06/12/17 at 1500 EST</u>				<u>Demand at IMPA's Coincident Peak on 06/12/17 at 1600 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	76,024,174						143,522	19,667	144,863	99.07%	142,959	19,604	144,297	99.07%
* Richmond 1	20,626,922	06/21/17 at 1700 EST	48,680	17,385	51,691	94.17%	19,743	23,810	30,931	63.83%	19,657	23,928	30,967	63.48%
* Richmond 2	32,967,038	06/21/17 at 1700 EST	67,399	7,631	67,830	99.37%	25,843	5,313	26,383	97.95%	25,349	5,191	25,875	97.97%
* Richmond Solar	250,877	06/25/17 at 1200 EST	1,086	(205)	1,105	98.26%	802	(154)	817	98.21%	863	(162)	878	98.28%
* Northwest	9,586,180	06/26/17 at 1000 EST	25,914	(4,671)	26,332	98.41%	7,242	(1,686)	7,436	97.40%	6,302	(1,511)	6,481	97.24%
* Treaty	7,776,133	06/01/17 at 1300 EST	27,984	(3,755)	28,235	99.11%	(310)	(3,570)	3,583	8.65%	(1,297)	(3,250)	3,499	37.07%
* WWVS Generation	5,732,428	-	-	-	-	-	98,878	1,824	98,895	99.98%	100,797	1,277	100,805	99.99%
* WWVS House Power	(915,404)	-	-	-	-	-	(8,676)	(5,870)	10,475	82.82%	(8,712)	(5,869)	10,504	82.94%

IMPA Delivery Point Details

RICHMOND WWVS PLANT
Billing Period: June 1, 2017 to June 30, 2017

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at RICHMOND's Maximum Peak				Demand at IMPA's Coincident Peak			
		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	4,817,024						90,202	(4,046)	90,293	99.90%	92,085	(4,592)	92,199	99.88%
* WWVS Gen1	1,613,384	06/12/17 at 1700 EST	35,083	-	35,083	100.00%	34,673	-	34,673	100.00%	35,042	-	35,042	100.00%
* WWVS Gen2	4,119,044	06/13/17 at 1500 EST	65,928	1,248	65,940	99.98%	64,205	1,824	64,231	99.96%	65,755	1,277	65,767	99.98%
* WWVS SO2MonitorHP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS PumpHouseHP	(5,318)	06/12/17 at 1500 EST	(152)	(106)	185	82.02%	(152)	(106)	185	82.02%	(152)	(106)	185	82.02%
* WWVS LIFAC1HP	(39,219)	06/12/17 at 1400 EST	(97)	(26)	100	96.59%	(90)	(24)	93	96.62%	(91)	(24)	94	96.69%
* WWVS LIFAC2HP	-	-	-	(1)	1	-	-	(1)	1	-	-	(1)	1	-
* WWVS LIFAC-TWRHP	(2,628)	06/14/17 at 2400 EST	(12)	(6)	13	89.44%	(10)	(2)	10	98.06%	(9)	(2)	9	97.62%
* WWVS ZeroDischargeHP	(8,091)	06/10/17 at 2100 EST	(20)	(14)	24	81.92%	(18)	(13)	22	81.07%	(18)	(13)	22	81.07%
* WWVS FirePump1HP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS FirePump2HP	(751)	06/01/17 at 0100 EST	(3)	(2)	4	83.21%	(1)	(2)	2	44.72%	(1)	(2)	2	44.72%
* WWVS BaghouseHP	(127,375)	06/13/17 at 1500 EST	(951)	(583)	1,115	85.25%	(914)	(564)	1,074	85.10%	(915)	(566)	1,076	85.04%
* WWVS G1HP1	(59,220)	06/12/17 at 1100 EST	(881)	-	881	100.00%	(881)	(833)	1,212	72.66%	(874)	(830)	1,205	72.51%
* WWVS G1HP2	(159,708)	06/12/17 at 1400 EST	(1,488)	-	1,488	100.00%	(1,488)	(983)	1,783	83.44%	(1,478)	(966)	1,766	83.71%
* WWVS G2HP1	(404,412)	06/13/17 at 1500 EST	(4,762)	-	4,762	100.00%	(4,762)	(3,182)	5,727	83.15%	(4,812)	(3,199)	5,778	83.28%
* WWVS G2HP2	(108,682)	06/22/17 at 0500 EST	(360)	-	360	100.00%	(360)	(160)	394	91.38%	(362)	(160)	396	91.46%

REVENUE REPORT

April-17

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>13,962,969</u>	<u>\$ 1,499,199.52</u>	
	Total R 44010	13,962,969	\$ 1,499,199.52	
COMMERCIAL				
		<u>2,799,853</u>	<u>\$ 423,156.12</u>	<u>0</u>
	Total CL 44210	2,799,853	\$ 423,156.12	0
GENERAL POWER				
		<u>10,356,401</u>	<u>\$ 1,051,958.21</u>	<u>16,313</u>
	Total GP 44220	10,356,401	\$ 1,051,958.21	16,313
INDUSTRIAL POWER				
	IS -COIN	3,997,000	\$ 402,807.27	12,265
	IS	<u>1,719,600</u>	<u>\$ 158,117.61</u>	<u>3,908</u>
	Total IS 44270	5,716,600	\$ 560,924.88	16,173
LARGE POWER				
	LPS-COIN	28,560,990	\$ 2,245,523.84	59,761
	LPS	<u>6,693,820</u>	<u>\$ 640,945.83</u>	<u>16,970</u>
	Total LPS 44280	35,254,810	\$ 2,886,469.67	76,731
GENERAL ELECT HEAT				
		<u>191,675</u>	<u>\$ 19,882.15</u>	<u>46</u>
	Total GEH 44290	191,675	\$ 19,882.15	46
ELECTRIC HEAT SCHOOLS				
	43	<u>58,404</u>	<u>\$ 5,534.01</u>	<u>208</u>
	Total EHS 44500	58,404	\$ 5,534.01	208
RESIDENTIAL - OLS				
		<u>273,497</u>	<u>\$ 22,001.76</u>	
	Total OLS 44260	273,497	\$ 22,001.76	
FLAT RATE (237)				
	Rate 8 - N	27,153	\$ 6,017.23	
	Rate 39 - CATV	<u>39,273</u>	<u>\$ 6,696.09</u>	
	Total N 44410	66,426	\$ 12,713.32	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>68,680,635</u>	<u>\$ 6,481,839.64</u>	<u>109,471</u>

April-17

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	7,328	\$ 2,077.89	
PUBLIC BLDGS - CITY	44230	51,341	\$ 7,241.90	
CITY STREET LIGHTS				
Rate 7	44420	<u>513,863</u>	<u>\$ 64,692.07</u>	
	CITY - GP 44	119,028	\$ 12,687.85	0
	CITY - GEH 46	98,530	\$ 11,001.15	67
	Sanitation - IS	774,900	\$ 58,510.72	1,391
	44240	<u>992,458</u>	<u>\$ 82,199.72</u>	<u>1,458</u>
	CITY -14610	<u>1,564,990</u>	<u>\$ 156,211.58</u>	<u>1,458</u>
TOTAL ALL REC'V [14210+14610]		<u><u>70,245,625</u></u>	<u><u>\$ 6,638,051.22</u></u>	<u><u>110,929</u></u>
	PENALTIES 45000		\$ 36,623.06	
	SALES TAX 24170		\$ 208,945.86	
	WRITE OFFS 14400		\$ 37,497.21	
TOTAL OF ALL CHARGES		<u><u>70,245,625</u></u>	<u><u>\$ 6,921,117.35</u></u>	

REVENUE REPORT

May-17

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>9,636,831</u>	<u>\$ 1,109,731.26</u>	
	Total R 44010	9,636,831	\$ 1,109,731.26	
COMMERCIAL				
		<u>2,033,987</u>	<u>\$ 325,863.57</u>	<u>0</u>
	Total CL 44210	2,033,987	\$ 325,863.57	0
GENERAL POWER				
		<u>10,033,009</u>	<u>\$ 1,023,339.35</u>	<u>14,914</u>
	Total GP 44220	10,033,009	\$ 1,023,339.35	14,914
INDUSTRIAL POWER				
	IS -COIN	4,141,200	\$ 323,157.44	12,343
	IS	<u>1,876,950</u>	<u>\$ 165,537.96</u>	<u>4,006</u>
	Total IS 44270	6,018,150	\$ 488,695.40	16,349
LARGE POWER				
	LPS-COIN	30,787,368	\$ 2,448,926.89	62,537
	LPS	<u>5,997,932</u>	<u>\$ 559,520.99</u>	<u>14,419</u>
	Total LPS 44280	36,785,300	\$ 3,008,447.88	76,956
GENERAL ELECT HEAT				
		<u>131,373</u>	<u>\$ 13,821.54</u>	<u>46</u>
	Total GEH 44290	131,373	\$ 13,821.54	46
ELECTRIC HEAT SCHOOLS				
	43	<u>56,628</u>	<u>\$ 5,365.72</u>	<u>207</u>
	Total EHS 44500	56,628	\$ 5,365.72	207
RESIDENTIAL - OLS				
		<u>242,669</u>	<u>\$ 21,254.51</u>	
	Total OLS 44260	242,669	\$ 21,254.51	
FLAT RATE (237)				
	Rate 8 - N	29,962	\$ 6,017.65	
	Rate 39 - CATV	<u>43,336</u>	<u>\$ 7,207.77</u>	
	Total N 44410	73,298	\$ 13,225.42	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>65,011,245</u>	<u>\$ 6,009,744.65</u>	<u>108,472</u>

May-17

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	5,908	\$ 1,899.11	
PUBLIC BLDGS - CITY	44230	33,240	\$ 4,902.53	
CITY STREET LIGHTS				
Rate 7	44420	<u>530,361</u>	<u>\$ 63,960.94</u>	
	CITY - GP 44	101,499	\$ 11,500.73	0
	CITY - GEH 46	113,914	\$ 11,903.45	69
	Sanitation - IS	795,900	\$ 56,244.77	1,430
	44240	<u>1,011,313</u>	<u>\$ 79,648.95</u>	<u>1,499</u>
	CITY -14610	<u>1,580,822</u>	<u>\$ 150,411.53</u>	<u>1,499</u>
TOTAL ALL REC'V [14210+14610]		<u><u>66,592,067</u></u>	<u><u>\$ 6,160,156.18</u></u>	<u><u>109,971</u></u>
	PENALTIES 45000		\$ 37,564.78	
	SALES TAX 24170		\$ 174,865.32	
	WRITE OFFS 14400		\$ 76,863.07	
TOTAL OF ALL CHARGES		<u><u>66,592,067</u></u>	<u><u>\$ 6,449,449.35</u></u>	

REVENUE REPORT

June-17

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>12,863,268</u>	<u>\$ 1,402,368.39</u>	
	Total R 44010	12,863,268	\$ 1,402,368.39	
COMMERCIAL				
		<u>2,512,848</u>	<u>\$ 385,819.29</u>	<u>0</u>
	Total CL 44210	2,512,848	\$ 385,819.29	0
GENERAL POWER				
		<u>11,085,337</u>	<u>\$ 1,120,375.75</u>	<u>14,295</u>
	Total GP 44220	11,085,337	\$ 1,120,375.75	14,295
INDUSTRIAL POWER				
	IS -COIN	4,259,150	\$ 357,294.48	12,699
	IS	<u>2,144,500</u>	<u>\$ 180,596.59</u>	<u>4,298</u>
	Total IS 44270	6,403,650	\$ 537,891.07	16,997
LARGE POWER				
	LPS-COIN	31,653,344	\$ 2,561,058.70	65,059
	LPS	<u>6,330,796</u>	<u>\$ 591,093.12</u>	<u>15,243</u>
	Total LPS 44280	37,984,140	\$ 3,152,151.82	80,302
GENERAL ELECT HEAT				
		<u>149,550</u>	<u>\$ 15,524.61</u>	<u>44</u>
	Total GEH 44290	149,550	\$ 15,524.61	44
ELECTRIC HEAT SCHOOLS				
	43	<u>56,976</u>	<u>\$ 5,398.69</u>	<u>237</u>
	Total EHS 44500	56,976	\$ 5,398.69	237
RESIDENTIAL - OLS				
		<u>255,584</u>	<u>\$ 20,926.51</u>	
	Total OLS 44260	255,584	\$ 20,926.51	
FLAT RATE (237)				
	Rate 8 - N	29,026	\$ 5,957.32	
	Rate 39 - CATV	<u>41,982</u>	<u>\$ 6,935.87</u>	
	Total N 44410	71,008	\$ 12,893.19	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>71,382,361</u>	<u>\$ 6,653,349.32</u>	<u>111,875</u>

June-17

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	7,095	\$ 2,048.52	
PUBLIC BLDGS - CITY	44230	38,501	\$ 5,564.62	
CITY STREET LIGHTS				
Rate 7	44420	<u>529,761</u>	<u>\$ 63,281.56</u>	
	CITY - GP 44	128,237	\$ 14,428.78	0
	CITY - GEH 46	130,600	\$ 13,442.54	70
	Sanitation - IS	<u>727,650</u>	<u>\$ 48,262.52</u>	<u>1,416</u>
	44240	<u>986,487</u>	<u>\$ 76,133.84</u>	<u>1,486</u>
	CITY -14610	<u>1,561,844</u>	<u>\$ 147,028.54</u>	<u>1,486</u>
TOTAL ALL REC'V [14210+14610]		<u><u>72,944,205</u></u>	<u><u>\$ 6,800,377.86</u></u>	<u><u>113,361</u></u>
	PENALTIES 45000		\$ 37,633.52	
	SALES TAX 24170		\$ 209,217.67	
	WRITE OFFS 14400		\$ 24,355.02	
TOTAL OF ALL CHARGES		<u><u>72,944,205</u></u>	<u><u>\$ 7,071,584.07</u></u>	