



RICHMOND POWER & LIGHT

Received: May 19, 2017
IURC 30-Day Filing No.: 50059
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 16, 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: 3rd 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
sandral@rp-l.com

Affected customers have been notified as required under 170 IAC 1-6-6. Notice will be published in the Palladium Item on Friday May 19, 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

May 12, 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 increase in its schedule of rates for electricity sold in the amount of \$0.001305 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 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	\$	0.039764	per KWH
CL	\$	0.063066	per KWH
GP, GEH and EHS	\$	0.039442	per KWH
LPS and IS	\$	14.642036	per KVA
	\$	17.238702	per KW
	\$	0.012742	per KWH
OL, M, and N	\$	0.012751	per KWH

July , August and September 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	\$	0.039764	per KWH
CL	\$	0.063066	per KWH
GP, GEH, and EHS	\$	0.039442	per KWH
LPS and IS	\$	14.642036	per KVA
	\$	17.238702	per KW
	\$	0.012742	per KWH
OL, M, and N	\$	0.012751	per KWH

Rate adjustment changes are listed below by Rate Schedules:

R	decrease	\$	0.001562	per KWH
CL	decrease	\$	0.002415	per KWH
GP, GEH, and EHS	decrease	\$	0.001822	per KWH
LPS and IS	increase	\$	1.242637	per KVA
	increase	\$	1.463011	per KW
	decrease	\$	0.000663	per KWH
OL, M, and N	decrease	\$	0.000650	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 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

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:

	Jul-17	Aug-17	Sep-17	
LINE NO.	DESCRIPTION			LINE NO.
			DEMAND RELATED	
1			\$0.00	1
2			\$554,246.00	2
3			(\$554,246.00)	3
4			\$0.00	4
5			\$632,538.00	5
6			(\$632,538.00)	6
7			\$78,292.00	7
8			147,719	8
9			\$0.530006	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-17	Aug-17	Sep-17	TOTAL	ESTIMATED 3 MONTH AVERAGE	LINE NO.
		(A)	(B)	(C)		(D)	
	PURCHASED POWER FROM IMPA						
1	KW DEMAND	153,088	139,757	150,312	443,157	147,719	1
2	KWH ENERGY	83,446,814	84,949,073	72,359,814	240,755,701	80,251,900	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW	0.416	0.416	0.416		0.416	3
4	CHARGE (a)	\$63,684.61	\$58,138.91	\$62,529.79	\$184,353.31	\$61,451.10	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH	(0.001775)	(0.001775)	(0.001775)		(0.001775)	5
6	CHARGE (b)	(\$148,118.09)	(\$150,784.60)	(\$128,438.67)	(\$427,341.37)	(\$142,447.12)	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)	Jul-17	Aug-17	Sep-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	23.836%	22.910%	35,210.0	18,385,655	\$493,316.58	\$236,513.07	\$729,829.65	1
2	CL	8.342%	4.304%	12,322.4	3,454,004	\$172,645.96	\$44,432.31	\$217,078.27	2
3	GP, GEH & EHS	15.330%	14.889%	22,645.3	11,948,662	\$317,277.17	\$153,707.59	\$470,984.76	3
4	LPS, IS & TS	52.492%	56.779%	77,541.3	45,565,924	\$1,086,407.91	\$586,160.04	\$1,672,567.95	4
5	FLAT RATES	0.000%	1.119%	0.0	897,655	\$0.00	\$11,547.43	\$11,547.43	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%	147,719.0	80,251,900	\$2,069,647.63	\$1,032,360.44	\$3,102,008.07	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.
		DEMAND	ENERGY	DEMAND (b)	ENERGY (c)	TOTAL	DEMAND	ENERGY	TOTAL	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
1	R	\$3,171.74	(\$1,923.31)	\$496,488.32	\$234,589.76	\$731,078.08	0.027004	0.012759	0.039764	1
2	CL	\$1,113.34	(\$360.80)	\$173,759.30	\$44,071.51	\$217,830.81	0.050307	0.012760	0.063066	2
3	GP, GEH & EHS	\$2,006.45	(\$1,715.82)	\$319,283.62	\$151,991.77	\$471,275.39	0.026721	0.012720	0.039442	3
4	LPS, IS & TS	\$250,303.46	(\$5,550.13)	\$1,336,711.37	\$580,609.91	\$1,917,321.27	0.029336	0.012742	0.042078 (f)	4
5	FLAT RATES	(\$0.02)	(\$101.80)	(\$0.02)	\$11,445.63	\$11,445.60	0.000000	0.012751	0.012751	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	\$256,594.97	(\$9,651.87)	\$2,326,242.60	\$1,022,708.57	\$3,348,951.16	0.028987	0.012744	0.041730	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	Jan-17	Feb-17	Mar-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)		\$1.978	--	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)		\$14.777	\$0.0122380	5
6	ACTUAL AVERAGE BILLING UNITS (f)		134,447	76,223,654	6
7	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		\$1,986,729.64	\$932,825.08	7

(a) Attachment 1, Page 1 of 3, Line 1 of Tracker filing for the three months of:
Jan-17 Feb-17 Mar-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)	Jan-17	Feb-17	Mar-17			LINE NO.
				ALLOCATED ACTUAL KW PURCHASED (b)	ALLOCATED ACTUAL KWH PURCHASED (c)	INCREMENTAL CHANGE IN PURCHASED POWER COST			
						DEMAND (d)	ENERGY (e)	TOTAL	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	
1	R	23.836%	22.910%	32,046.5	17,462,787	\$473,552.43	\$213,709.58	\$687,262.01	1
2	CL	8.342%	4.304%	11,215.3	3,280,631	\$165,729.11	\$40,148.36	\$205,877.47	2
3	GP, GEH & EHS	15.330%	14.889%	20,610.7	11,348,899	\$304,565.84	\$138,887.82	\$443,453.66	3
4	LPS, IS & TS	52.492%	56.779%	70,574.5	43,278,741	\$1,042,882.26	\$529,645.23	\$1,572,527.49	4
5	FLAT RATES	0.000%	1.119%	0.0	852,597	\$0.00	\$10,434.08	\$10,434.08	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%	134,447.0	76,223,654	\$1,986,729.64	\$932,825.08	\$2,919,554.72	10

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

Feb-17 Mar-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)	Jan-17	Feb-17	Mar-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	17,159,857		0.027901	0.012561	\$472,074.29	\$212,527.33	\$1,539.28	(\$3,011.98)	1
2	CL	3,223,721		0.051988	0.012559	\$165,248.48	\$39,919.90	\$578.54	(\$571.71)	2
3	GP, GEH & EHS	11,152,027		0.027418	0.012544	\$301,485.55	\$137,932.55	(\$1,171.47)	(\$2,587.60)	3
4	LPS, IS & TS	42,527,977	70,574	13.632267	0.012547	\$948,620.76	\$526,128.15	\$143,863.26	(\$8,797.17)	4
5	FLAT RATES	837,807		0.000000	0.012551	\$0.00	\$10,368.10	(\$0.02)	(\$162.83)	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	74,901,389				\$1,887,429.08	\$926,876.03	\$144,809.59	(\$15,131.29)	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-17 Feb-17 Mar-17

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

Jan-17 Feb-17 Mar-17

(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-17 Feb-17 Mar-17

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

Jan-17 Feb-17 Mar-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.
		DEMAND (a)	ENERGY (b)	TOTAL	DEMAND (c)	ENERGY (c)	TOTAL (c)	
		(A)	(B)	(C)	(D)	(E)	(F)	
1	R	\$470,535.01	\$215,539.31	\$686,074.32	\$3,017.42	(\$1,829.73)	\$1,187.69	1
2	CL	\$164,669.94	\$40,491.61	\$205,161.55	\$1,059.17	(\$343.25)	\$715.92	2
3	GP, GEH & EHS	\$302,657.02	\$140,520.15	\$443,177.17	\$1,908.82	(\$1,632.33)	\$276.49	3
4	LPS, IS & TS	\$804,757.50	\$534,925.32	\$1,339,682.82	\$238,124.76	(\$5,280.09)	\$232,844.67	4
5	FLAT RATES	\$0.02	\$10,530.93	\$10,530.95	(\$0.02)	(\$96.85)	(\$96.87)	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	\$1,742,619.49	\$942,007.32	\$2,684,626.81	\$244,110.15	(\$9,182.25)	\$234,927.90	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-17	Feb-17	Mar-17	TOTAL	AVERAGE	LINE NO.
		January	February	March			
		(A)	(B)	(C)	(D)	(E)	
1	ACTUAL MEMBER GENERATING COSTS	\$0.00	\$562,951.31	\$0.00	\$562,951.31	\$187,650.44	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)	\$8,705.31	(\$554,246.00)	(\$1,099,786.69)	(\$366,595.56)	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	\$641,243.31	\$78,292.00	\$797,827.31	\$265,942.44	7
8	ACTUAL MONTHLY KW BILLED (d)	136,481	133,463	133,398	403,342	134,447	8
9	ACTUAL CAPACITY PAYMENT SAVINGS PER KW (e)	\$0.574	\$4.805	\$0.587		\$1.978	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-17	Feb-17	Mar-17	TOTAL	ACTUAL 3 MONTH AVERAGE	LINE NO.
		(A)	(B)	(C)		(D)	
	PURCHASED POWER FROM IMPA						
1	KW DEMAND (a)	136,481	133,463	133,398	403,342	134,447	1
2	KWH ENERGY (a)	81,350,481	70,112,390	77,208,090	228,670,961	76,223,654	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)	\$56,776.10	\$55,520.61	\$55,493.57	\$167,790.27	\$55,930.09	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH (a)	(0.001775)	(0.001775)	(0.001775)		(0.001775)	5
6	CHARGE (c)	(\$144,397.10)	(\$124,449.49)	(\$137,044.36)	(\$405,890.96)	(\$135,296.99)	6

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

Jan-17

Feb-17

Mar-17

CITY OF RICHMOND, INDIANA

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

LINE NO.	RATE SCHEDULE	Jan-17	Feb-17	Mar-17	TOTAL	AVERAGE	LINE NO.
		(A)	(B)	(C)			
1	R	20,542,071	16,790,721	14,146,778	51,479,570	17,159,857	1
2	CL	3,745,837	3,191,414	2,733,912	9,671,163	3,223,721	2
3	GP, GEH & EHS	12,002,629	10,663,268	10,790,185	33,456,082	11,152,027	3
4	LPS, IS & TS	43,788,594	39,715,084	44,080,254	127,583,932	42,527,977	4
5	FLAT RATES	826,851	797,256	889,314	2,513,421	837,807	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	80,905,982	71,157,743	72,640,443	224,704,168	74,901,389	10

DETERMINATION OF ACTUAL AVERAGE KVA SALES

LPS & IS	70,238	71,743	69,743	211,723	70,574
----------	--------	--------	--------	---------	--------

CITY OF RICHMOND, INDIANA

DETERMINATION OF ACTUAL KW DEMAND ALLOCATION AND KWH ENERGY ALLOCATION FACTORS

Rate Tariffs		Average	Rate Study		Rate Study		Adjusted	
			Percent of	kWh Energy	kW Demand	Adjusted	kW Demand	
Code	Rate Schedule Name/Description	<u>Sales</u>	<u>Total kWh</u>	<u>Factors</u>	<u>Variance</u>	<u>Factors</u>	<u>Factors</u>	<u>Allocators</u>
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
R	Residential Electric Service	17,159,857	22.910%	21.898%	4.621%	22.955%	24.016%	23.836%
CL	Commercial Lighting Service	3,223,721	4.304%	4.005%	7.465%	7.821%	8.405%	8.342%
GP, GEH & EHS	Gen Power, Gen Electric Heat & Electric Heat Schools	11,152,027	14.889%	8.904%	67.216%	9.237%	15.446%	15.330%
LPS, IS & TS	Large Power, Industrial Service & Transmission Service	42,527,977	56.779%	64.065%	-11.373%	59.987%	52.492%	52.492%
FLAT RATES	Outdoor Lighting, Street Lighting	837,807	1.119%	1.128%	1.119%	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		74,901,389	100.000%	100.000%		100.000%	100.359%	100.000%
Purchases		76,223,654						
Average Losses		1.7%						

- (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)

1/1/2017 2/1/2017 3/1/2017

CITY OF RICHMOND, INDIANA

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

Jul-17

Aug-17

Sep-17

LINE
NO.

-

Rates LPS, IS & TS

Demand Related Adjustment Factor

1	From Page 3 of 3, Column C, Line 4	\$1,336,711.37
2	From Page 2 of 3, Column C, Line 4	77,541.30 kW
3	Line 1 divided by Line 2	17.238702 per KW
4	Line 3 multiplied by 84.937%	14.642036
5	Demand Related Rate Adjustment Factor	14.642036 per KVA

Rates LPS, IS & TS

Energy Related Adjustment Factor

6	From Page 3 of 3, Column D, Line 4	\$580,609.91
7	From Page 2 of 3, Column D, Line 4	45,565,924 KWH
8	Line 6 divided by Line 7	\$0.012742
9	Energy Related Adjustment Factor	\$0.012742 per KWH

Energy Cost Adjustment (Revenue Report) KWH

	Jan-17	Feb-17	Mar-17
R - 44010	20,542,071	16,790,721	14,146,778
CWH - 44020			
K - 44030			
ASH - 44040			
CL - 44210	3,680,214	3,132,483	2,679,788
GP - 44220	11,383,215	10,145,671	10,322,640
IS - 44270	5,724,350	5,191,650	5,889,600
LPS - 44280	37,217,944	33,774,784	37,293,954
GEH - 44290	262,337	213,124	188,550
EH - 44250			
EHS - 44500	80,604	69,280	61,732
OL - 44260	256,964	248,362	243,243
FLAT - 44410 N	66,426	64,136	75,588
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	65,623	58,931	54,124
ST LIT - CITY M	503,461	484,758	570,483
GP - 44	152,067	130,838	114,069
GEH - 46	124,406	104,355	103,194
IS - IS	846,300	748,650	896,700
LPS - CITY	0	0	0
CITY BILLS	0	0	0
	80,905,982	71,157,743	72,640,443
BY RATE CLASS			
R	20,542,071	16,790,721	14,146,778
CL	3,745,837	3,191,414	2,733,912
GP, GEH, & EHS	12,002,629	10,663,268	10,790,185
LPS & IS	43,788,594	39,715,084	44,080,254
OL, M, & N	826,851	797,256	889,314
TOTAL	80,905,982	71,157,743	72,640,443
	80,905,982	71,157,743	72,640,443
LPS & IS Coincident kW	70,238	71,743	69,743
	80,079,131	70,360,487	71,751,129

CAPACITY COST REPORT

January
2017February
2017March
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 0.00 0.00 0.00

TOTAL PRODUCTION COST 0.00 0.00 0.00

ADMN.& GENERAL COSTS(PRODUCTION RELATED)

920	Admn and general salaries	84,773.67	97,597.50	95,483.77
921	Office supplies and expense	74,066.22	25,649.62	32,945.47
923	Outside services employed	2,483.28	26,804.96	21,321.46
925	Injuries and damages	28,077.87	25,785.97	20,786.56
926	Employee pension and benefits	275,769.33	301,264.67	318,324.24
928	Regulatory commission expenses	0.00	0.00	0.00
930	Misc general expense	508.66	9,768.58	294.90
931	Rents	0.00	0.00	0.00
932	Maint of general plant	25,491.34	20,999.50	21,740.53
933	Transportation	4,690.14	4,337.48	4,914.48
	Payroll taxes	<u>9,268.41</u>	<u>9,205.71</u>	<u>9,071.17</u>

TOTAL ADMN AND GENERAL EXPENSES 505,128.92 521,413.99 524,882.58

PRR= 0.000000 0.000000 0.000000

(C) PRODUCTION RELATED ADMN/GEN. EXPENSE 0.00 0.00 0.00

(D) PLANT INSURANCE 0.00 80,661.31 0.00

(E) DEBT SERVICE 0.00 482,290.00 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) Total amortization 0.00 0.00 0.00

(G) TOTAL MEMBER PRODUCTION COSTS 0.00 562,951.31 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.
<u>WHOLESALE POWER COSTS TRACKER</u>					
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
		<u>CAPACITY PURCHASE PAYMENTS</u>	
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)	
		<u>(\$ 4,521,327.89)</u>	
	/ 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 11, 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 third quarter (July, August and September) of 2017.

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

Sincerely,

INDIANA MUNICIPAL POWER AGENCY

A handwritten signature in cursive script that reads "Ginny McCammon".

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 JULY, AUGUST and SEPTEMBER
 2017 - 3RD QUARTER**

	JUL	AUG	SEP	JUL	AUG	SEP
	<u>\$/kW-month</u>			<u>\$/kWh</u>		
IMPA's Energy Cost Adjustment	0.416	0.416	0.416	(0.001775)	(0.001775)	(0.001775)
	<u>kW</u>			<u>kWh</u>		
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for RICHMOND	153,088	139,757	150,312	83,446,814	84,949,073	72,359,814



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date:
03/16/17

Amount Due:
\$5,532,642.62

Billing Period: January 1 to 31, 2017

Invoice No: INV0007192
Invoice Date: 02/14/17

Demand	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	141,147	(2,354)	99.99%	01/06/17	1100	77.47%
CP Billing Demand:	136,481	(7,368)	99.85%	01/06/17	2000	80.12%
kvar at 97% PF:		34,205				
Reactive Demand:		-				

Energy	kWh
WWVS Net Gen:	-
Richmond 1:	21,710,735
Richmond 2:	33,994,746
Richmond Solar:	38,959
Northwest:	14,910,743
Treaty:	10,695,298
Total Energy:	81,350,481

History	Jan 2017	Jan 2016	2017 YTD
Max Demand (kW):	141,147	146,614	141,147
CP Demand (kW):	136,481	141,201	136,481
Energy (kWh):	81,350,481	84,201,842	81,350,481
CP Load Factor:	80.12%	80.15%	
HDD/CDD (Indianapolis):	925/0	1112/0	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 22.965 /kW x	136,481	\$ 3,134,286.17
ECA Demand Charge:	\$ 0.416 /kW x	136,481	\$ 56,776.10
		Total Demand Charges:	\$ 3,191,062.27
Base Energy Charge:	\$ 0.030565 /kWh x	81,350,481	\$ 2,486,477.45
ECA Energy Charge:	\$ (0.001775) /kWh x	81,350,481	\$ (144,397.10)
		Total Energy Charges:	\$ 2,342,080.35
Average Purchased Power Cost: 6.80 cents per kWh			Total Purchased Power Charges: \$ 5,533,142.62

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

NET AMOUNT DUE: \$ 5,532,642.62

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 03/16/17

Questions, please call: 317-573-9955

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



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date:
04/13/17

Amount Due:
\$5,138,534.12

Billing Period: February 1 to 28, 2017

Invoice No: INV0007278
Invoice Date: 03/14/17

Demand	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	133,996	(6,931)	99.87%	02/09/17	1100	77.86%
CP Billing Demand:	133,463	(8,111)	99.82%	02/10/17	1000	78.17%
kvar at 97% PF:		33,449				
Reactive Demand:		-				

Energy	kWh
WWVS Net Gen:	1,118,548
Richmond 1:	20,932,473
Richmond 2:	31,723,775
Richmond Solar:	88,082
Northwest:	10,688,995
Treaty:	5,560,517
Total Energy:	70,112,390

History	Feb 2017	Feb 2016	2017 YTD
Max Demand (kW):	133,996	141,804	141,147
CP Demand (kW):	133,463	141,804	136,481
Energy (kWh):	70,112,390	76,779,400	151,462,871
CP Load Factor:	78.17%	80.57%	
HDD/CDD (Indianapolis):	599/0	869/0	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 22.965 / kW x	133,463	\$ 3,064,977.80
ECA Demand Charge:	\$ 0.416 / kW x	133,463	\$ 55,520.61
Total Demand Charges:			\$ 3,120,498.41
Base Energy Charge:	\$ 0.030565 / kWh x	70,112,390	\$ 2,142,985.20
ECA Energy Charge:	\$ (0.001775) / kWh x	70,112,390	\$ (124,449.49)
Total Energy Charges:			\$ 2,018,535.71
Average Purchased Power Cost: 7.33 cents per kWh			Total Purchased Power Charges: \$ 5,139,034.12

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

NET AMOUNT DUE: \$ 5,138,534.12

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 04/13/17

Questions, please call: 317-573-9955

Send payments to:

Indiana Municipal Power Agency
P.O. Box 772880, Chicago, IL 60677-2880

IMPA Delivery Point Details

Richmond Power & Light

Billing Period: February 1, 2017 to February 28, 2017

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at RICHMOND's Maximum Peak on 02/09/17 at 1100 EST				Demand at IMPA's Coincident Peak on 02/10/17 at 1000 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	70,112,390						133,996	(6,931)	134,175	99.87%	133,463	(8,111)	133,709	99.82%
* Richmond 1	20,932,473	02/09/17 at 1200 EST	44,855	930	44,865	99.98%	44,439	865	44,447	99.98%	42,664	1,318	42,684	99.95%
* Richmond 2	31,723,775	02/09/17 at 1200 EST	64,590	(6,655)	64,932	99.47%	63,006	(6,428)	63,333	99.48%	60,919	(5,947)	61,209	99.53%
* Richmond Solar	88,082	02/26/17 at 1100 EST	958	(170)	973	98.46%	47	(33)	57	81.84%	39	(29)	49	80.25%
* Northwest	10,688,995	02/01/17 at 1800 EST	24,316	(5,581)	24,948	97.47%	18,592	(1,170)	18,629	99.80%	19,642	(2,299)	19,776	99.32%
* Treaty	5,560,517	02/01/17 at 1800 EST	18,881	(8,870)	20,861	90.51%	8,362	(16)	8,362	100.00%	10,642	(1,011)	10,690	99.55%
* WWVS Generation	1,543,140	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS House Power	(424,592)	-	-	-	-	-	(450)	(149)	474	94.93%	(443)	(143)	466	95.16%

IMPA Delivery Point Details

RICHMOND WWVS PLANT

Billing Period: February 1, 2017 to February 28, 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	1,118,548						(450)	(149)	474	-94.93%	(443)	(143)	466	-95.16%
* WWVS Gen1	319,635	02/28/17 at 1500 EST	27,082	-	27,082	100.00%	-	-	-	-	-	-	-	-
* WWVS Gen2	1,223,505	02/28/17 at 1000 EST	53,976	24	53,976	100.00%	-	-	-	-	-	-	-	-
* WWVS SO2MonitorHP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS PumpHouseHP	(4,312)	02/28/17 at 0300 EST	(88)	(60)	107	82.62%	(8)	-	8	100.00%	(8)	-	8	100.00%
* WWVS LIFAC1HP	(38,184)	02/28/17 at 1600 EST	(101)	(26)	104	96.84%	(57)	(10)	58	98.50%	(57)	(11)	58	98.19%
* WWVS LIFAC2HP	-	-	-	(1)	1	-	-	(1)	1	-	-	(1)	1	-
* WWVS LIFAC-TWRHP	(3,042)	02/09/17 at 1300 EST	(13)	-	13	100.00%	(7)	-	7	100.00%	(5)	-	5	100.00%
* WWVS ZeroDischargeHP	(3,027)	02/01/17 at 0100 EST	(19)	(14)	24	80.51%	-	-	-	-	-	-	-	-
* WWVS FirePump1HP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS FirePump2HP	(2,379)	02/03/17 at 2400 EST	(7)	(3)	8	91.91%	(7)	(2)	7	96.15%	(5)	(2)	5	92.85%
* WWVS BaghouseHP	(71,012)	02/27/17 at 1200 EST	(785)	(520)	942	83.37%	(73)	(2)	73	99.96%	(73)	(2)	73	99.96%
* WWVS G1HP1	(11,355)	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS G1HP2	(101,696)	02/28/17 at 1500 EST	(171)	-	171	100.00%	(171)	(65)	183	93.47%	(159)	(58)	169	93.94%
* WWVS G2HP1	(97,556)	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS G2HP2	(92,029)	02/27/17 at 1200 EST	(127)	-	127	100.00%	(127)	(69)	145	87.87%	(136)	(69)	153	89.18%



IMPA
INDIANA MUNICIPAL POWER AGENCY

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

Due Date:	Amount Due:
5/15/2017	\$ 5,341,299.55

Billing Period: March 1 to 31, 2017

Invoice No: INV0007356
Invoice Date: 4/14/2017

Summary of Charges

Demand Charges:	\$ 3,118,978.64
Energy Charges:	\$ 2,222,820.91
Subtotal - Purchased Power Charges*:	\$ 5,341,799.55
Other Charges and Credits:	\$ (500.00)
Net Amount Due:	\$ 5,341,299.55

*Average Purchased Power Cost: 6.92 cents per kWh

Notice something different?

The new invoice layout has the same information as last month's statement, in an easier to read format.

Due Date:	Amount Due:
5/15/2017	\$ 5,341,299.55

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 05/15/17

Questions, please call: 317-573-9955

Send payments to:

Indiana Municipal Power Agency
P.O. Box 772880, Chicago, IL 60677-2880

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

Due Date: 5/15/2017	Amount Due: \$ 5,341,299.55
-------------------------------	---------------------------------------

Demand						
Demand Information	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	133,658	(4,397)	99.95%	03/14/17	800	77.64%
CP Billing Demand:	133,398	(6,636)	99.88%	03/15/17	700	77.79%
kvar at 97% PF:		33,433				
Reactive Demand:		-				
Demand Charges	Rate		Units		Charge	
Base Demand Charge:	\$	22.965 /kW x	133,398		\$	3,063,485.07
ECA Demand Charge:	\$	0.416 /kW x	133,398		\$	55,493.57
Total Demand Charges:					\$	3,118,978.64

Energy			
Energy Information	kWh		
WWVS Net Gen:	255,907		
Richmond 1:	22,745,185		
Richmond 2:	34,142,366		
Richmond Solar:	128,866		
Northwest:	12,576,463		
Treaty:	7,359,303		
Total Energy:	77,208,090		
Energy Charges	Rate	Units	Charge
Base Energy Charge:	\$ 0.030565 / kWh x	77,208,090	\$ 2,359,865.27
ECA Energy Charge:	\$ (0.001775) / kWh x	77,208,090	\$ (137,044.36)
Total Energy Charges:			\$ 2,222,820.91

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 2017	Mar 2016	2017 YTD
Max Demand (kW):	133,658	127,058	141,147
CP Demand (kW):	133,398	126,879	136,481
Energy (kWh):	77,208,090	74,041,470	228,670,961
CP Load Factor:	77.79%	78.44%	
HDD/CDD (Indianapolis):	652/2	482/0	

IMPA Delivery Point Details

Richmond Power & Light

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

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at RICHMOND's Maximum Peak on 03/14/17 at 0800 EST				Demand at IMPA's Coincident Peak on 03/15/17 at 0700 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	77,208,090						133,658	(4,397)	133,730	99.95%	133,398	(6,636)	133,563	99.88%
* Richmond 1	22,745,185	03/02/17 at 0800 EST	41,442	(4,960)	41,738	99.29%	41,164	9,330	42,208	97.53%	41,326	13,959	43,620	94.74%
* Richmond 2	34,142,366	03/02/17 at 0800 EST	59,982	(5,168)	60,204	99.63%	58,695	(8,509)	59,309	98.97%	58,008	(13,801)	59,627	97.28%
* Richmond Solar	128,866	03/16/17 at 1100 EST	1,045	(188)	1,062	98.42%	6	(14)	15	39.39%	(4)	(5)	6	62.47%
* Northwest	12,576,463	03/15/17 at 1900 EST	39,961	(4,111)	40,172	99.47%	21,176	(3,231)	21,421	98.86%	20,989	(4,613)	21,490	97.67%
* Treaty	7,359,303	03/15/17 at 1900 EST	45,457	(4,284)	45,658	99.56%	13,075	(1,815)	13,200	99.05%	13,532	(2,026)	13,683	98.90%
* WWVS Generation	596,999	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS House Power	(341,092)	-	-	-	-	-	(458)	(158)	484	94.53%	(453)	(150)	477	94.93%

IMPA Delivery Point Details

RICHMOND WWVS PLANT

Billing Period: March 1, 2017 to March 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	255,907						(458)	(158)	484	-94.53%	(453)	(150)	477	-94.93%
* WWVS Gen1	596,999	03/01/17 at 1600 EST	28,805	-	28,805	100.00%	-	-	-	-	-	-	-	-
* WWVS Gen2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS SO2MonitorHP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS PumpHouseHP	(3,240)	03/01/17 at 0100 EST	(87)	(60)	106	82.32%	(6)	-	6	100.00%	(6)	-	6	100.00%
* WWVS LIFAC1HP	(41,083)	03/01/17 at 2400 EST	(80)	(18)	82	97.56%	(59)	(11)	60	98.31%	(60)	(11)	61	98.36%
* WWVS LIFAC2HP	-	-	-	(1)	1	-	-	(1)	1	-	-	(1)	1	-
* WWVS LIFAC-TWRHP	(3,431)	03/01/17 at 2400 EST	(12)	(1)	12	99.65%	(9)	(1)	9	99.39%	(7)	-	7	100.00%
* WWVS ZeroDischargeHP	(3,202)	03/01/17 at 2000 EST	(19)	(15)	24	78.49%	-	-	-	-	-	-	-	-
* WWVS FirePump1HP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS FirePump2HP	(2,530)	03/14/17 at 0600 EST	(7)	(2)	7	96.15%	(6)	(3)	7	89.44%	(5)	(2)	5	92.85%
* WWVS BaghouseHP	(66,358)	03/01/17 at 2100 EST	(648)	(462)	796	81.42%	(72)	(3)	72	99.91%	(73)	(2)	73	99.96%
* WWVS G1HP1	(20,664)	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS G1HP2	(118,543)	03/01/17 at 1800 EST	(167)	-	167	100.00%	(167)	(65)	179	93.19%	(163)	(63)	175	93.28%
* WWVS G2HP1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
* WWVS G2HP2	(82,041)	03/01/17 at 0100 EST	(139)	-	139	100.00%	(139)	(74)	157	88.27%	(139)	(71)	156	89.06%

REVENUE REPORT

January-17

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>20,542,071</u>	<u>\$ 2,063,270.55</u>	
	Total R 44010	20,542,071	\$ 2,063,270.55	
COMMERCIAL				
		<u>3,680,214</u>	<u>\$ 531,784.92</u>	<u>0</u>
	Total CL 44210	3,680,214	\$ 531,784.92	0
GENERAL POWER				
		<u>11,383,215</u>	<u>\$ 1,136,082.17</u>	<u>19,623</u>
	Total GP 44220	11,383,215	\$ 1,136,082.17	19,623
INDUSTRIAL POWER				
	IS -COIN	4,201,750	\$ 374,776.98	12,274
	IS	<u>1,522,600</u>	<u>\$ 128,718.38</u>	<u>2,787</u>
	Total IS 44270	5,724,350	\$ 503,495.36	15,061
LARGE POWER				
	LPS-COIN	29,411,880	\$ 2,273,827.88	58,100
	LPS	<u>7,806,064</u>	<u>\$ 708,684.32</u>	<u>18,428</u>
	Total LPS 44280	37,217,944	\$ 2,982,512.20	76,528
GENERAL ELECT HEAT				
		<u>262,337</u>	<u>\$ 26,458.70</u>	<u>51</u>
	Total GEH 44290	262,337	\$ 26,458.70	51
ELECTRIC HEAT SCHOOLS				
	43	<u>80,604</u>	<u>\$ 7,532.69</u>	<u>189</u>
	Total EHS 44500	80,604	\$ 7,532.69	189
RESIDENTIAL - OLS				
		<u>256,964</u>	<u>\$ 22,336.38</u>	
	Total OLS 44260	256,964	\$ 22,336.38	
FLAT RATE (237)				
	Rate 8 - N	27,153	\$ 6,084.83	
	Rate 39 - CATV	<u>39,273</u>	<u>\$ 6,659.44</u>	
	Total N 44410	66,426	\$ 12,744.27	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>79,214,125</u>	<u>\$ 7,286,217.24</u>	<u>111,452</u>

January-17

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	7,033	\$ 2,034.13	
PUBLIC BLDGS - CITY	44230	58,590	\$ 8,134.02	
CITY STREET LIGHTS				
Rate 7	44420	<u>503,461</u>	<u>\$ 66,305.97</u>	
	CITY - GP 44	152,067	\$ 15,556.93	0
	CITY - GEH 46	124,406	\$ 12,920.79	63
	Sanitation - IS	846,300	\$ 66,927.31	1,471
	44240	<u>1,122,773</u>	<u>\$ 95,405.03</u>	<u>1,534</u>
	CITY -14610	<u>1,691,857</u>	<u>\$ 171,879.15</u>	<u>1,534</u>
TOTAL ALL REC'V [14210+14610]		<u><u>80,905,982</u></u>	<u><u>\$ 7,458,096.39</u></u>	<u><u>112,986</u></u>
	PENALTIES 45000		\$ 52,211.37	
	SALES TAX 24170		\$ 260,996.62	
	WRITE OFFS 14400		\$ 18,131.49	
TOTAL OF ALL CHARGES		<u><u>80,905,982</u></u>	<u><u>\$ 7,789,435.87</u></u>	

REVENUE REPORT

February-17

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>16,790,721</u>	<u>\$ 1,733,419.28</u>	
	Total R 44010	16,790,721	\$ 1,733,419.28	
COMMERCIAL				
		<u>3,132,483</u>	<u>\$ 460,428.54</u>	<u>0</u>
	Total CL 44210	3,132,483	\$ 460,428.54	0
GENERAL POWER				
		<u>10,145,671</u>	<u>\$ 1,019,999.88</u>	<u>17,728</u>
	Total GP 44220	10,145,671	\$ 1,019,999.88	17,728
INDUSTRIAL POWER				
	IS -COIN	3,816,750	\$ 408,902.18	12,261
	IS	<u>1,374,900</u>	<u>\$ 123,251.93</u>	<u>2,631</u>
	Total IS 44270	5,191,650	\$ 532,154.11	14,892
LARGE POWER				
	LPS-COIN	27,043,536	\$ 2,224,667.49	57,448
	LPS	<u>6,731,248</u>	<u>\$ 650,967.62</u>	<u>17,468</u>
	Total LPS 44280	33,774,784	\$ 2,875,635.11	74,916
GENERAL ELECT HEAT				
		<u>213,124</u>	<u>\$ 22,045.03</u>	<u>52</u>
	Total GEH 44290	213,124	\$ 22,045.03	52
ELECTRIC HEAT SCHOOLS				
	43	<u>69,280</u>	<u>\$ 6,474.41</u>	<u>165</u>
	Total EHS 44500	69,280	\$ 6,474.41	165
RESIDENTIAL - OLS				
		<u>248,362</u>	<u>\$ 22,253.67</u>	
	Total OLS 44260	248,362	\$ 22,253.67	
FLAT RATE (237)				
	Rate 8 - N	26,217	\$ 6,052.82	
	Rate 39 - CATV	<u>37,919</u>	<u>\$ 6,490.18</u>	
	Total N 44410	64,136	\$ 12,543.00	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>69,630,211</u>	<u>\$ 6,684,953.03</u>	<u>107,753</u>

February-17

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,352	\$ 1,949.01	
PUBLIC BLDGS - CITY	44230	52,579	\$ 7,418.95	
CITY STREET LIGHTS				
Rate 7	44420	<u>484,758</u>	<u>\$ 65,678.01</u>	
	CITY - GP 44	130,838	\$ 13,565.51	0
	CITY - GEH 46	104,355	\$ 10,969.28	64
	Sanitation - IS	748,650	\$ 57,177.97	1,442
	44240	<u>983,843</u>	<u>\$ 81,712.76</u>	<u>1,506</u>
	CITY -14610	1,527,532	\$ 156,758.73	1,506
TOTAL ALL REC'V [14210+14610]		<u><u>71,157,743</u></u>	<u><u>\$ 6,841,711.76</u></u>	<u><u>109,259</u></u>
	PENALTIES 45000		\$ 57,808.28	
	SALES TAX 24170		\$ 225,891.54	
	WRITE OFFS 14400		\$ (1,647.18)	
TOTAL OF ALL CHARGES		<u><u>71,157,743</u></u>	<u><u>\$ 7,123,764.40</u></u>	

REVENUE REPORT

March-17

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>14,146,778</u>	<u>\$ 1,501,136.44</u>	
	Total R 44010	14,146,778	\$ 1,501,136.44	
COMMERCIAL				
		<u>2,679,788</u>	<u>\$ 404,750.67</u>	<u>0</u>
	Total CL 44210	2,679,788	\$ 404,750.67	0
GENERAL POWER				
		<u>10,322,640</u>	<u>\$ 1,036,058.15</u>	<u>17,566</u>
	Total GP 44220	10,322,640	\$ 1,036,058.15	17,566
INDUSTRIAL POWER				
	IS -COIN	4,382,350	\$ 387,476.91	12,325
	IS	<u>1,507,250</u>	<u>\$ 128,862.49</u>	<u>2,726</u>
	Total IS 44270	5,889,600	\$ 516,339.40	15,051
LARGE POWER				
	LPS-COIN	29,833,354	\$ 2,272,493.39	56,725
	LPS	<u>7,460,600</u>	<u>\$ 677,500.20</u>	<u>17,309</u>
	Total LPS 44280	37,293,954	\$ 2,949,993.59	74,034
GENERAL ELECT HEAT				
		<u>188,550</u>	<u>\$ 19,524.62</u>	<u>50</u>
	Total GEH 44290	188,550	\$ 19,524.62	50
ELECTRIC HEAT SCHOOLS				
	43	<u>61,732</u>	<u>\$ 5,769.05</u>	<u>155</u>
	Total EHS 44500	61,732	\$ 5,769.05	155
RESIDENTIAL - OLS				
		<u>243,243</u>	<u>\$ 21,906.33</u>	
	Total OLS 44260	243,243	\$ 21,906.33	
FLAT RATE (237)				
	Rate 8 - N	30,898	\$ 6,105.47	
	Rate 39 - CATV	<u>44,690</u>	<u>\$ 7,378.31</u>	
	Total N 44410	75,588	\$ 13,483.78	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>70,901,873</u>	<u>\$ 6,468,962.03</u>	<u>106,856</u>

March-17

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,100	\$ 1,917.55	
PUBLIC BLDGS - CITY	44230	48,024	\$ 6,684.75	
CITY STREET LIGHTS				
Rate 7	44420	<u>570,483</u>	<u>\$ 66,581.88</u>	
	CITY - GP 44	114,069	\$ 11,971.89	0
	CITY - GEH 46	103,194	\$ 10,986.24	66
	Sanitation - IS	896,700	\$ 67,754.20	1,554
	44240	<u>1,113,963</u>	<u>\$ 90,712.33</u>	<u>1,620</u>
	CITY -14610	<u>1,738,570</u>	<u>\$ 165,896.51</u>	<u>1,620</u>
TOTAL ALL REC'V [14210+14610]		<u><u>72,640,443</u></u>	<u><u>\$ 6,634,858.54</u></u>	<u><u>108,476</u></u>
	PENALTIES 45000		\$ 65,401.36	
	SALES TAX 24170		\$ 206,290.37	
	WRITE OFFS 14400		\$ 6,687.33	
TOTAL OF ALL CHARGES		<u><u>72,640,443</u></u>	<u><u>\$ 6,913,237.60</u></u>	