



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

June 3, 2016

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 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 Tuesday June 7, 2016. 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 27, 2016

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 \$0.001390 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 2016 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	\$	0.042047	per KWH
CL	\$	0.064743	per KWH
GP, GEH and EHS	\$	0.042327	per KWH
LPS and IS	\$	13.488899	per KVA
	\$	15.881063	per KW
	\$	0.015960	per KWH
OL, M, and N	\$	0.015965	per KWH

July , August and September 2016

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	\$	0.042047	per KWH
CL	\$	0.064743	per KWH
GP, GEH, and EHS	\$	0.042327	per KWH
LPS and IS	\$	13.488899	per KVA
	\$	15.881063	per KW
	\$	0.015960	per KWH
OL, M, and N	\$	0.015965	per KWH

Rate adjustment changes are listed below by Rate Schedules:

R	increase	\$	0.000870	per KWH
CL	increase	\$	0.002034	per KWH
GP, GEH, and EHS	increase	\$	0.001434	per KWH
LPS and IS	increase	\$	1.053541	per KVA
	increase	\$	1.240378	per KW
	decrease	\$	0.000345	per KWH
OL, M, and N	decrease	\$	0.000342	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 2016 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-16	(a)	\$22.230	\$0.030525	1
2	BASE RATE EFFECTIVE	01-Apr-05	(b)	\$10.582	\$0.016552	2
3	INCREMENTAL CHANGE IN BASE RATE (c)			\$11.648	\$0.013973	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-16 Aug-16 Sep-16

LINE NO.	DESCRIPTION	DEMAND RELATED	LINE NO.
1	ESTIMATED MONTHLY GENERATING COSTS (h)	\$0.00	1
2	LESS: MONTHLY GEN COSTS IN BASE RATES (i)	\$554,246.00	2
3	EST GENERATING COSTS IN TRACKER (a)	(\$554,246.00)	3
4	EST MONTHLY PAYMENT FROM IMPA (f)	\$0.00	4
5	LESS: MONTHLY PAYMENTS IN BASE RATES (g)	\$632,538.00	5
6	EST CAPACITY PAYMENTS IN TRACKER (b)	(\$632,538.00)	6
7	ESTIMATED MONTHLY COSTS/(SAVINGS) (c)	\$78,292.00	7
8	ESTIMATED AVERAGE MONTHLY KW (d)	147,775	8
9	ESTIMATED COSTS/(SAVINGS) PER KW (e)	\$0.529805	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-16	Aug-16	Sep-16	TOTAL	ESTIMATED 3 MONTH AVERAGE	LINE NO.
		Jul-16	Aug-16	Sep-16			
		(A)	(B)	(C)	(D)	(E)	
	PURCHASED POWER FROM IMPA						
1	KW DEMAND	150,598	147,812	144,915	443,325	147,775	1
2	KWH ENERGY	82,432,867	80,536,337	71,292,330	234,261,534	78,087,178	2
	INCREMENTAL PURCHASED POWER COSTS						
	DEMAND RELATED						
3	ECA FACTOR PER KW	0.038	0.038	0.038		0.038	3
4	CHARGE (a)	\$5,722.72	\$5,616.86	\$5,506.77	\$16,846.35	\$5,615.45	4
	ENERGY RELATED						
5	ECA FACTOR PER KWH	0.001274	0.001274	0.001274		0.001274	5
6	CHARGE (b)	\$105,019.47	\$102,603.29	\$90,826.43	\$298,449.19	\$99,483.06	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)	ALLOCATED ESTIMATED KW PURCHASED (b)	ALLOCATED ESTIMATED KWH PURCHASED (c)	INCREMENTAL CHANGE IN PURCHASED POWER COST ADJ FOR LINE LOSSES & GROSS RECEIPTS TAX			LINE NO.
						Jul-16	Aug-16	Sep-16	
						DEMAND (d)	ENERGY (e)	TOTAL	
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	
1	R	24.784%	23.440%	36,624.2	18,303,368	\$466,247.26	\$290,840.51	\$757,087.77	1
2	CL	8.689%	4.411%	12,840.1	3,444,634	\$163,461.42	\$54,735.23	\$218,196.65	2
3	GP, GEH & EHS	15.999%	15.290%	23,642.7	11,939,509	\$300,984.89	\$189,718.79	\$490,703.68	3
4	LPS, IS & TS	50.528%	55.751%	74,668.1	43,534,551	\$950,569.37	\$691,764.02	\$1,642,333.39	4
5	FLAT RATES	0.000%	1.108%	0.0	865,117	\$0.00	\$13,746.70	\$13,746.70	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%	147,775.1	78,087,179	\$1,881,262.94	\$1,240,805.26	\$3,122,068.20	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	\$10,437.71	\$2,075.51	\$476,684.97	\$292,916.02	\$769,600.99	0.026044	0.016003	0.042047	1
2	CL	\$4,458.23	\$361.96	\$167,919.65	\$55,097.19	\$223,016.84	0.048748	0.015995	0.064743	2
3	GP, GEH & EHS	\$13,894.51	\$768.32	\$314,879.40	\$190,487.11	\$505,366.51	0.026373	0.015954	0.042327	3
4	LPS, IS & TS	\$235,239.44	\$3,032.30	\$1,185,808.81	\$694,796.32	\$1,880,605.13	0.027238	0.015960	0.043198 (f)	4
5	FLAT RATES	(\$0.02)	\$64.74	(\$0.02)	\$13,811.44	\$13,811.42	0.000000	0.015965	0.015965	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	\$264,029.86	\$6,302.83	\$2,145,292.80	\$1,247,108.09	\$3,392,400.89	0.027473	0.015971	0.043444	10

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

0.959563184

(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-16	Feb-16	Mar-16	LINE NO.
			DEMAND RELATED	ENERGY RELATED	
			(A)	(B)	
1	INCREMENTAL CHANGE IN BASE RATE (a)		\$11.648	\$0.0139730	1
2	ACTUAL SAVINGS FROM DEDICATED CAPACITY PAYMENTS (b)		\$2.053	--	2
3	ACTUAL PURCHASED POWER ENERGY COST ADJUSTMENT (c)		\$0.038	\$0.0012740	3
4	PLUS TRACKING FACTOR EFFECTIVE PRIOR TO JANUARY 27, 1983 (d)		\$0.000	\$0.0000000	4
5	TOTAL RATE ADJUSTMENT (e)		\$13.739	\$0.0152470	5
6	ACTUAL AVERAGE BILLING UNITS (f)		136,628	78,340,904	6
7	ACTUAL INCREMENTAL CHANGE IN PURCHASED POWER COST (g)		\$1,877,193.71	\$1,194,463.76	7

(a) Attachment 1, Page 1 of 3, Line 1 of Tracker filing for the three months of:

Jan-16	Feb-16	Mar-16
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(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-16	Feb-16	Mar-16			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	24.784%	23.440%	33,861.5	18,362,840	\$465,238.75	\$279,978.23	\$745,216.98	1
2	CL	8.689%	4.411%	11,871.5	3,455,826	\$163,107.85	\$52,690.98	\$215,798.83	2
3	GP, GEH & EHS	15.999%	15.290%	21,859.2	11,978,303	\$300,333.85	\$182,633.19	\$482,967.04	3
4	LPS, IS & TS	50.528%	55.751%	69,035.7	43,676,006	\$948,513.26	\$665,928.07	\$1,614,441.33	4
5	FLAT RATES	0.000%	1.108%	0.0	867,928	\$0.00	\$13,233.29	\$13,233.29	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%	136,628.0	78,340,904	\$1,877,193.71	\$1,194,463.76	\$3,071,657.47	10

- (a) Page 2 of 3, Columns A and B of tracker filed for the months of Jan-16
- (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

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-16	Feb-16	Mar-16	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	17,837,537		0.028072	0.015632	\$493,725.04	\$274,932.67	\$38,501.94	(\$3,053.98)	1
2	CL	3,356,966		0.052020	0.015634	\$172,184.56	\$51,748.05	\$13,354.66	(\$595.61)	2
3	GP, GEH & EHS	11,635,642		0.027011	0.015686	\$309,890.26	\$179,961.45	\$22,889.07	(\$1,934.49)	3
4	LPS, IS & TS	42,426,573	69,036	12.479651	0.015704	\$849,480.44	\$656,939.17	\$126,694.28	(\$6,079.22)	4
5	FLAT RATES	843,099		0.000000	0.015690	\$0.00	\$13,043.03	(\$0.02)	(\$128.14)	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	76,099,817				\$1,825,280.30	\$1,176,624.36	\$201,439.93	(\$11,791.44)	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-16

Feb-16

Mar-16

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

Jan-16

Feb-16

Mar-16

(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-16

Feb-16

Mar-16

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

Jan-16

Feb-16

Mar-16

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	\$455,223.10	\$277,986.65	\$733,209.75	\$10,015.65	\$1,991.58	\$12,007.23	1
2	CL	\$158,829.90	\$52,343.66	\$211,173.56	\$4,277.95	\$347.32	\$4,625.27	2
3	GP, GEH & EHS	\$287,001.19	\$181,895.94	\$468,897.13	\$13,332.66	\$737.25	\$14,069.91	3
4	LPS, IS & TS	\$722,786.16	\$663,018.39	\$1,385,804.54	\$225,727.10	\$2,909.68	\$228,636.79	4
5	FLAT RATES	\$0.02	\$13,171.17	\$13,171.19	(\$0.02)	\$62.12	\$62.10	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	\$1,623,840.37	\$1,188,415.80	\$2,812,256.17	\$253,353.34	\$6,047.96	\$259,401.30	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-16	Feb-16	Mar-16	TOTAL	AVERAGE	LINE NO.
		January	February	March			
		(A)	(B)	(C)	(D)	(E)	
1	ACTUAL MEMBER GENERATING COSTS	\$0.00	\$470,389.00	\$136,411.64	\$606,800.64	\$202,266.88	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)	(\$83,857.00)	(\$417,834.36)	(\$1,055,937.36)	(\$351,979.12)	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	\$548,681.00	\$214,703.64	\$841,676.64	\$280,558.88	7
8	ACTUAL MONTHLY KW BILLED (d)	141,201	141,804	126,879	409,884	136,628	8
9	ACTUAL CAPACITY PAYMENT SAVINGS PER KW (e)	\$0.554	\$3.869	\$1.692		\$2.053	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-16	Feb-16	Mar-16	TOTAL	ACTUAL 3 MONTH AVERAGE	LINE NO.
		(A)	(B)	(C)		(E)	
PURCHASED POWER FROM IMPA							
1	KW DEMAND (a)	141,201	141,804	126,879	409,884	136,628	1
2	KWH ENERGY (a)	84,201,842	76,779,400	74,041,470	235,022,712	78,340,904	2
INCREMENTAL PURCHASED POWER COSTS							
DEMAND RELATED							
3	ECA FACTOR PER KW (a)	0.038	0.038	0.038		0.038	3
4	CHARGE (b)	\$5,365.64	\$5,388.55	\$4,821.40	\$15,575.59	\$5,191.86	4
ENERGY RELATED							
5	ECA FACTOR PER KWH (a)	0.001274	0.001274	0.001274		0.001274	5
6	CHARGE (c)	\$107,273.15	\$97,816.96	\$94,328.83	\$299,418.94	\$99,806.31	6

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

Jan-16

Feb-16

Mar-16

CITY OF RICHMOND, INDIANA

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

LINE NO.	RATE SCHEDULE	Jan-16	Feb-16	Mar-16	TOTAL	AVERAGE	LINE NO.
		(A)	(B)	(C)			
1	R	19,192,629	18,445,353	15,874,629	53,512,611	17,837,537	1
2	CL	3,430,914	3,502,104	3,137,880	10,070,898	3,356,966	2
3	GP, GEH & EHS	11,845,117	11,459,445	11,602,363	34,906,925	11,635,642	3
4	LPS, IS & TS	43,336,476	40,284,180	43,659,062	127,279,718	42,426,573	4
5	FLAT RATES	811,242	805,642	912,413	2,529,297	843,099	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	78,616,378	74,496,724	75,186,347	228,299,449	76,099,817	10

DETERMINATION OF ACTUAL AVERAGE KVA SALES

LPS & IS	71,117	69,691	66,299	207,107	69,036
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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	Variance	kW Demand	Factors	kW Demand
		(A)	(B)	(C)	(D)	(E)	(F)	(G)
R	Residential Electric Service	17,837,537	23.440%	21.898%	7.040%	22.955%	24.571%	24.784%
CL	Commercial Lighting Service	3,356,966	4.411%	4.005%	10.144%	7.821%	8.614%	8.689%
GP, GEH & EHS	Gen Power, Gen Electric Heat & Electric Heat Schools	11,635,642	15.290%	8.904%	71.720%	9.237%	15.862%	15.999%
LPS, IS & TS	Large Power, Industrial Service & Transmission Service	42,426,573	55.751%	64.065%	-12.977%	59.987%	50.528%	50.528%
FLAT RATES	Outdoor Lighting, Street Lighting	843,099	1.108%	1.128%	1.108%	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	76,099,816	100.000%	100.000%		100.000%	99.575%	100.000%
	Purchases	78,340,904						
	Average Losses	2.9%						

(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)

1/1/2016 2/1/2016 3/1/2016

CITY OF RICHMOND, INDIANA

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

LINE NO.	Jul-16	Aug-16	Sep-16
-	Rates LPS, IS & TS		

	Demand Related Adjustment Factor		
1	From Page 3 of 3, Column C, Line 4	\$1,185,808.81	
2	From Page 2 of 3, Column C, Line 4	74,668.10 kW	
3	Line 1 divided by Line 2	15.881063 per KW	
4	Line 3 multiplied by 84.937%	13.488899	
5	Demand Related Rate Adjustment Factor	13.488899 per KVA	
	Rates LPS, IS & TS		

	Energy Related Adjustment Factor		
6	From Page 3 of 3, Column D, Line 4	\$694,796.32	
7	From Page 2 of 3, Column D, Line 4	43,534,551 KWH	
8	Line 6 divided by Line 7	\$0.015960	
9	Energy Related Adjustment Factor	\$0.015960 per KWH	

Energy Cost Adjustment (Revenue Report) KWH

	Jan-16	Feb-16	Mar-16
R - 44010	19,192,629	18,445,353	15,874,629
CWH - 44020			
K - 44030			
ASH - 44040			
CL - 44210	3,369,683	3,438,323	3,077,994
GP - 44220	11,196,527	10,925,832	10,969,122
IS - 44270	7,328,300	7,008,400	7,187,000
LPS - 44280	35,105,176	32,454,680	35,581,662
GEH - 44290	234,496	252,315	220,841
EH - 44250			
EHS - 44500	132,176	34,176	184,336
OL - 44260	260,179	235,457	264,232
FLAT - 44410 N	63,728	66,004	75,109
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	61,231	63,781	59,886
ST LIT - CITY M	487,335	504,181	573,072
GP - 44	140,533	128,872	119,334
GEH - 46	141,385	118,250	108,730
IS - IS	903,000	821,100	890,400
LPS - CITY	0	0	0
CITY BILLS	0	0	0
	78,616,378	74,496,724	75,186,347
BY RATE CLASS			
R	19,192,629	18,445,353	15,874,629
CL	3,430,914	3,502,104	3,137,880
GP, GEH, & EHS	11,845,117	11,459,445	11,602,363
LPS & IS	43,336,476	40,284,180	43,659,062
OL, M, & N	811,242	805,642	912,413
TOTAL	78,616,378	74,496,724	75,186,347
	78,616,378	74,496,724	75,186,347
LPS & IS Coincident kW	71,117	69,691	66,299
	77,805,136	73,691,082	74,273,934

CAPACITY COST REPORT

January
2016February
2016March
2016

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	88,558.95	99,793.38	100,285.72
921	Office supplies and expense	14,545.71	16,643.46	37,750.15
923	Outside services employed	1,847.82	9,960.82	14,154.37
925	Injuries and damages	33,949.99	32,553.54	26,411.72
926	Employee pension and benefits	257,270.73	278,933.56	275,526.15
928	Regulatory commission expenses	0.00	0.00	0.00
930	Misc general expense	9,727.98	328.53	320.00
931	Rents	0.00	0.00	0.00
932	Maint of general plant	15,574.90	23,942.51	17,195.61
933	Transportation	3,989.13	5,281.37	5,055.36
	Payroll taxes	<u>10,669.38</u>	<u>9,450.26</u>	<u>9,640.19</u>

TOTAL ADMN AND GENERAL EXPENSES 436,134.59 476,887.43 486,339.27

PRR= 0.000000 0.000000 0.000000

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

(D) PLANT INSURANCE 0.00 0.00 136,411.64

(E) DEBT SERVICE 0.00 470,389.00 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 0.00 0.00 0.00

(F) Total amortization 0.00 0.00 0.00

(G) TOTAL MEMBER PRODUCTION COSTS 0.00 470,389.00 136,411.64

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

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

EXHIBIT V-A

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	\$12,612,282.78	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	\$13,721,552.89	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 22, 2016

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 2016.

If you have any questions, please feel free to call Bev Matthews at (317) 428-6715.

Sincerely,

INDIANA MUNICIPAL POWER AGENCY

Bev Matthews
Vice President, Rates & Billing

BM/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
2016 - 3RD QUARTER**

	JUL	AUG	SEP	JUL	AUG	SEP
	<u>\$/kW-month</u>			<u>\$/kWh</u>		
IMPA's Energy Cost Adjustment	0.038	0.038	0.038	0.001274	0.001274	0.001274
	<u>kW</u>			<u>kWh</u>		
To develop these Energy Cost Adjustment factors, IMPA used the following estimated loads for RICHMOND	150,598	147,812	144,915	82,432,867	80,536,337	71,292,330



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date:
03/16/16

Amount Due:
\$5,821,298.25

Invoice No: INV0005948
 Invoice Date: 02/15/16

Billing Period: January 1 to 31, 2016

Demand	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	146,614	7,924	99.85%	01/19/16	900	77.19%
CP Billing Demand:	141,201	5,734	99.92%	01/18/16	1900	80.15%
kvar at 97% PF:		35,388				
Reactive Demand:		-				

Energy	kWh
WWVS Net Gen:	7,173,388
Richmond 1:	23,690,625
Richmond 2:	36,971,786
Richmond Solar:	18,371
Northwest:	11,236,824
Treaty:	5,110,848
Total Energy:	84,201,842

History	Jan 2016	Jan 2015	2016 YTD
Max Demand (kW):	146,614	154,106	146,614
CP Demand (kW):	141,201	154,106	141,201
Energy (kWh):	84,201,842	86,167,161	84,201,842
CP Load Factor:	80.15%	75.15%	
HDD/CDD (Indianapolis):	1112/0	1224/0	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 22.230 / kW x	141,201	\$ 3,138,898.23
ECA Demand Charge:	\$ 0.038 / kW x	141,201	\$ 5,365.64
Total Demand Charges:			\$ 3,144,263.87
Base Energy Charge:	\$ 0.030525 / kWh x	84,201,842	\$ 2,570,261.23
ECA Energy Charge:	\$ 0.001274 / kWh x	84,201,842	\$ 107,273.15
Total Energy Charges:			\$ 2,677,534.38
Average Purchased Power Cost: 6.91 cents per kWh			Total Purchased Power Charges: \$ 5,821,798.25

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

NET AMOUNT DUE: \$ 5,821,298.25

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

Questions, please call: 317-573-9955

Send payments to: Indiana Municipal Power Agency
 Dept. 78757, P.O. Box 78000, Detroit, MI 48278-0757

IMPA Delivery Point Details

Richmond Power & Light

Billing Period: January 1, 2016 to January 31, 2016

Delivery Point	Energy kWh	<u>Individual Substation Maximum Demand</u>					<u>Demand at RICHMOND's Maximum Peak on 01/19/16 at 0900 EST</u>				<u>Demand at IMPA's Coincident Peak on 01/18/16 at 1900 EST</u>			
		Date & Time	Max kW	kvar at Max	kVA at Max	Power Factor	kW at Memb Max	kvar at Memb Max	kVA	Power Factor	CP kW	kvar at CP	kVA	Power Factor
TOTAL	84,201,842						146,614	7,924	146,828	99.85%	141,201	5,734	141,317	99.92%
Richmond 1	23,690,625	01/11/16 at 0900 EST	46,775	14,725	49,038	95.39%	23,700	15,725	28,442	83.33%	21,800	19,850	29,483	73.94%
Richmond 2	36,971,786	01/06/16 at 0800 EST	71,459	(14,715)	72,958	97.94%	32,302	(5,273)	32,730	98.69%	30,190	(7,316)	31,064	97.19%
Richmond Solar	18,371	01/05/16 at 1500 EST	702	(122)	713	98.52%	(3)	(6)	7	44.72%	(3)	(6)	7	44.72%
Northwest	11,236,824	01/25/16 at 1100 EST	22,780	(5,982)	23,552	96.72%	4,688	590	4,725	99.22%	5,290	(1,542)	5,510	96.00%
Treaty	5,110,848	01/07/16 at 1900 EST	15,760	(4,051)	16,272	96.85%	(4,888)	1,551	5,128	95.32%	(2,905)	(224)	2,914	99.70%
WWVS Generation	8,248,375	-	-	-	-	-	98,729	624	98,731	100.00%	94,289	43	94,289	100.00%
WWVS House Power	(1,074,987)	-	-	-	-	-	(7,914)	(5,287)	9,518	83.15%	(7,460)	(5,071)	9,020	82.70%

IMPA Delivery Point Details

RICHMOND WWVS PLANT

Billing Period: January 1, 2016 to January 31, 2016

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	7,173,388						90,815	(4,663)	90,935	99.87%	86,829	(5,028)	86,974	99.83%
WWVS Gen1	2,537,057	01/13/16 at 0800 EST	34,157	55	34,157	100.00%	33,804	-	33,804	100.00%	32,287	-	32,287	100.00%
WWVS Gen2	5,711,318	01/20/16 at 1300 EST	65,966	475	65,968	100.00%	64,925	624	64,928	100.00%	62,002	43	62,002	100.00%
WWVS SO2MonitorHP	(660)	01/17/16 at 2000 EST	(2)	-	2	100.00%	(1)	-	1	100.00%	(1)	-	1	100.00%
WWVS PumpHouseHP	(9,286)	01/18/16 at 0900 EST	(92)	(57)	108	85.01%	(7)	-	7	100.00%	(6)	-	6	100.00%
WWVS LIFAC1HP	(42,755)	01/13/16 at 1000 EST	(98)	(21)	100	97.78%	(71)	(13)	72	98.36%	(66)	(12)	67	98.39%
WWVS LIFAC2HP	(34)	01/13/16 at 0700 EST	(1)	(1)	1	70.71%	(1)	(1)	1	70.71%	(1)	(1)	1	70.71%
WWVS LIFAC-TWRHP	(3,168)	01/18/16 at 1200 EST	(13)	(1)	13	99.71%	(10)	(1)	10	99.50%	(9)	(1)	9	99.39%
WWVS ZeroDischargeHP	(7,836)	01/06/16 at 0700 EST	(25)	(17)	30	82.69%	(19)	(13)	23	82.53%	(19)	(13)	23	82.53%
WWVS FirePump1HP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WWVS FirePump2HP	(3,541)	01/10/16 at 1800 EST	(7)	(2)	7	96.15%	(7)	(2)	7	96.15%	(6)	(3)	7	89.44%
WWVS BaghouseHP	(134,253)	01/20/16 at 2200 EST	(850)	(529)	1,001	84.90%	(793)	(507)	941	84.25%	(788)	(509)	938	84.00%
WWVS G1HP1	(70,008)	01/13/16 at 0800 EST	(761)	(759)	1,075	70.80%	(707)	(730)	1,016	69.57%	(680)	(717)	988	68.81%
WWVS G1HP2	(249,790)	01/19/16 at 0900 EST	(1,625)	(1,045)	1,932	84.11%	(1,625)	(1,045)	1,932	84.11%	(1,475)	(942)	1,750	84.28%
WWVS G2HP1	(417,752)	01/14/16 at 0700 EST	(4,542)	(3,057)	5,475	82.96%	(4,263)	(2,798)	5,099	83.60%	(4,007)	(2,698)	4,831	82.95%
WWVS G2HP2	(135,904)	01/18/16 at 0400 EST	(1,736)	(1,613)	2,370	73.26%	(410)	(177)	447	91.81%	(402)	(175)	438	91.69%



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date:
04/13/16

Amount Due:
\$5,598,699.62

Billing Period: February 1 to 29, 2016

Invoice No: INV0006031
Invoice Date: 03/14/16

Demand	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	141,804	7,858	99.85%	02/11/16	800	77.79%
CP Billing Demand:	141,804	7,858	99.85%	02/11/16	800	77.79%
kvar at 97% PF:		35,539				
Reactive Demand:						

Energy	kWh
WWVS Net Gen:	6,308,640
Richmond 1:	21,066,775
Richmond 2:	31,903,786
Richmond Solar:	85,526
Northwest:	11,184,050
Treaty:	6,230,623
Total Energy:	76,779,400

History	Feb 2016	Feb 2015	2016 YTD
Max Demand (kW):	141,804	151,732	146,614
CP Demand (kW):	141,804	145,894	141,804
Energy (kWh):	76,779,400	81,669,042	160,981,242
CP Load Factor:	77.79%	80.43%	
HDD/CDD (Indianapolis):	869/0	1249/0	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 22.230 / kW x	141,804	\$ 3,152,302.92
ECA Demand Charge:	\$ 0.038 / kW x	141,804	\$ 5,388.55
Total Demand Charges:			\$ 3,157,691.47
Base Energy Charge:	\$ 0.030525 / kWh x	76,779,400	\$ 2,343,691.19
ECA Energy Charge:	\$ 0.001274 / kWh x	76,779,400	\$ 97,816.96
Total Energy Charges:			\$ 2,441,508.15
Average Purchased Power Cost: 7.29 cents per kWh			Total Purchased Power Charges: \$ 5,599,199.62

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

NET AMOUNT DUE: \$ 5,598,699.62

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 04/13/16

Questions, please call: 317-573-9955

Send payments to: Indiana Municipal Power Agency
Dept. 78757, P.O. Box 78000, Detroit, MI 48278-0757

IMPA Delivery Point Details

Richmond Power & Light

Billing Period: February 1, 2016 to February 29, 2016

Delivery Point	Energy kWh	Individual Substation Maximum Demand					Demand at RICHMOND's Maximum Peak on 02/11/16 at 0800 EST				Demand at IMPA's Coincident Peak on 02/11/16 at 0800 EST			
		Date & Time	Max kW	kvar at Max	kVA at Max	Power Factor	kW at Memb Max	kvar at Memb Max	kVA	Power Factor	CP kW	kvar at CP	kVA	Power Factor
TOTAL	76,779,400						141,804	7,858	142,022	99.85%	141,804	7,858	142,022	99.85%
Richmond 1	21,066,775	02/09/16 at 2000 EST	47,175	25,000	53,390	88.36%	17,200	25,150	30,469	56.45%	17,200	25,150	30,469	56.45%
Richmond 2	31,903,786	02/09/16 at 0800 EST	70,043	(15,265)	71,687	97.71%	25,702	(5,876)	26,365	97.48%	25,702	(5,876)	26,365	97.48%
Richmond Solar	85,526	02/27/16 at 1100 EST	959	(170)	974	98.46%	(3)	(4)	5	60.00%	(3)	(4)	5	60.00%
Northwest	11,184,050	02/24/16 at 1100 EST	38,997	(6,655)	39,561	98.57%	8,502	(3,460)	9,179	92.62%	8,502	(3,460)	9,179	92.62%
Treaty	6,230,623	02/24/16 at 1100 EST	42,564	(6,683)	43,085	98.79%	1,943	(3,194)	3,739	51.97%	1,943	(3,194)	3,739	51.97%
WWVS Generation	7,356,171	-	-	-	-	-	96,723	787	96,726	100.00%	96,723	787	96,726	100.00%
WWVS House Power	(1,047,531)	-	-	-	-	-	(8,263)	(5,545)	9,951	83.04%	(8,263)	(5,545)	9,951	83.04%

IMPA Delivery Point Details

RICHMOND WWVS PLANT

Billing Period: February 1, 2016 to February 29, 2016

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	6,308,640						88,460	(4,758)	88,588	99.86%	88,460	(4,758)	88,588	99.86%
WWVS Gen1	2,388,309	02/18/16 at 1400 EST	34,138	-	34,138	100.00%	33,838	-	33,838	100.00%	33,838	-	33,838	100.00%
WWVS Gen2	4,967,862	02/18/16 at 1500 EST	63,941	835	63,946	99.99%	62,885	787	62,890	99.99%	62,885	787	62,890	99.99%
WWVS SO2MonitorHP	(536)	02/13/16 at 0800 EST	(2)	-	2	100.00%	(1)	-	1	100.00%	(1)	-	1	100.00%
WWVS PumpHouseHP	(8,898)	02/11/16 at 0600 EST	(91)	(59)	108	83.91%	(90)	(59)	108	83.63%	(90)	(59)	108	83.63%
WWVS LIFAC1HP	(39,383)	02/10/16 at 1900 EST	(88)	(18)	90	97.97%	(47)	(8)	48	98.58%	(47)	(8)	48	98.58%
WWVS LIFAC2HP	(13)	02/10/16 at 2100 EST	(1)	(1)	1	70.71%	(1)	(1)	1	70.71%	(1)	(1)	1	70.71%
WWVS LIFAC-TWRHP	(2,796)	02/25/16 at 1300 EST	(12)	(1)	12	99.65%	(8)	(1)	8	99.23%	(8)	(1)	8	99.23%
WWVS ZeroDischargeHP	(8,167)	02/10/16 at 1200 EST	(20)	(14)	24	81.92%	(19)	(13)	23	82.53%	(19)	(13)	23	82.53%
WWVS FirePump1HP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WWVS FirePump2HP	(3,044)	02/10/16 at 0600 EST	(7)	(3)	8	91.91%	(7)	(3)	8	91.91%	(7)	(3)	8	91.91%
WWVS BaghouseHP	(143,308)	02/19/16 at 0800 EST	(1,072)	(621)	1,239	86.53%	(813)	(520)	965	84.24%	(813)	(520)	965	84.24%
WWVS G1HP1	(73,352)	02/11/16 at 0700 EST	(973)	(877)	1,310	74.28%	(970)	(872)	1,304	74.37%	(970)	(872)	1,304	74.37%
WWVS G1HP2	(219,607)	02/18/16 at 1300 EST	(1,552)	(1,039)	1,868	83.10%	(1,287)	(847)	1,541	83.53%	(1,287)	(847)	1,541	83.53%
WWVS G2HP1	(425,650)	02/20/16 at 1000 EST	(4,775)	(3,278)	5,792	82.44%	(4,622)	(3,048)	5,537	83.48%	(4,622)	(3,048)	5,537	83.48%
WWVS G2HP2	(122,777)	02/10/16 at 2300 EST	(1,813)	(1,714)	2,495	72.67%	(398)	(173)	434	91.71%	(398)	(173)	434	91.71%



IMPA

INDIANA MUNICIPAL POWER AGENCY

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

Due Date:
05/16/16

Amount Due:
\$5,179,286.27

Billing Period: March 1 to 31, 2016

Invoice No: INV0006125
Invoice Date: 04/14/16

Demand	kW	kvar	Power Factor	Date	Time (EST)	Load Factor
Maximum Demand:	127,058	(3,069)	99.97%	03/02/16	900	78.32%
CP Billing Demand:	126,879	(3,224)	99.97%	03/02/16	1100	78.44%
kvar at 97% PF:		31,799				
Reactive Demand:						

Energy	kWh
WWVS Net Gen:	5,347,098
Richmond 1:	20,733,600
Richmond 2:	32,998,931
Richmond Solar:	142,202
Northwest:	9,956,855
Treaty:	4,862,784
Total Energy:	74,041,470

History	Mar 2016	Mar 2015	2016 YTD
Max Demand (kW):	127,058	141,450	146,614
CP Demand (kW):	126,879	141,450	141,804
Energy (kWh):	74,041,470	80,196,710	235,022,712
CP Load Factor:	78.44%	76.20%	
HDD/CDD (Indianapolis):	482/0	790/0	

Purchased Power Charges	Rate	Units	Charge
Base Demand Charge:	\$ 22.230 / kW x	126,879	\$ 2,820,520.17
ECA Demand Charge:	\$ 0.038 / kW x	126,879	\$ 4,821.40
Total Demand Charges:			\$ 2,825,341.57
Base Energy Charge:	\$ 0.030525 / kWh x	74,041,470	\$ 2,260,115.87
ECA Energy Charge:	\$ 0.001274 / kWh x	74,041,470	\$ 94,328.83
Total Energy Charges:			\$ 2,354,444.70
Average Purchased Power Cost: 7.00 cents per kWh			Total Purchased Power Charges: \$ 5,179,786.27

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

NET AMOUNT DUE: \$ 5,179,286.27

To avoid a late payment charge, as provided for in Schedule B, payment in full must be received by: 05/16/16
Questions, please call: 317-573-9955

Send payments to: Indiana Municipal Power Agency
Dept. 78757, P.O. Box 78000, Detroit, MI 48278-0757

IMPA Delivery Point Details

Richmond Power & Light

Billing Period: March 1, 2016 to March 31, 2016

Delivery Point	Energy kWh	<u>Individual Substation Maximum Demand</u>					<u>Demand at RICHMOND's Maximum Peak</u> <u>on 03/02/16 at 0900 EST</u>				<u>Demand at IMPA's Coincident Peak</u> <u>on 03/02/16 at 1100 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	74,041,470						127,058	(3,069)	127,095	99.97%	126,879	(3,224)	126,920	99.97%
Richmond 1	20,733,600	03/02/16 at 0800 EST	42,100	7,600	42,780	98.41%	41,275	7,900	42,024	98.22%	37,775	8,400	38,698	97.62%
Richmond 2	32,998,931	03/02/16 at 0800 EST	60,772	(6,970)	61,170	99.35%	59,289	(6,430)	59,637	99.42%	55,931	(5,437)	56,195	99.53%
Richmond Solar	142,202	03/29/16 at 1000 EST	1,046	(190)	1,063	98.39%	217	(59)	225	96.50%	973	(177)	989	98.39%
Northwest	9,956,855	03/03/16 at 1000 EST	21,886	(4,792)	22,404	97.69%	17,790	(2,677)	17,990	98.89%	20,290	(3,217)	20,543	98.77%
Treaty	4,862,784	03/17/16 at 1200 EST	20,903	3,370	21,173	98.73%	8,875	(1,664)	9,030	98.29%	12,294	(2,650)	12,576	97.75%
WWVS Generation	6,328,757	-	-	-	-	-	-	-	-	-	-	-	-	-
WWVS House Power	(981,659)	-	-	-	-	-	(388)	(139)	412	94.14%	(384)	(143)	410	93.71%

IMPA Delivery Point Details

RICHMOND WWVS PLANT

Billing Period: March 1, 2016 to March 31, 2016

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	5,347,098						(388)	(139)	412	-94.14%	(384)	(143)	410	-93.71%
WWVS Gen1	1,382,592	03/22/16 at 0900 EST	33,132	2	33,132	100.00%	-	-	-	-	-	-	-	-
WWVS Gen2	4,946,165	03/15/16 at 1400 EST	64,426	768	64,431	99.99%	-	-	-	-	-	-	-	-
WWVS SO2MonitorHP	(314)	03/01/16 at 0100 EST	(1)	-	1	100.00%	(1)	-	1	100.00%	(1)	-	1	100.00%
WWVS PumpHouseHP	(7,198)	03/22/16 at 0900 EST	(87)	(59)	105	82.76%	(6)	-	6	100.00%	(6)	-	6	100.00%
WWVS LIFAC1HP	(42,088)	03/21/16 at 2200 EST	(100)	(29)	104	96.04%	(50)	(8)	51	98.74%	(48)	(8)	49	98.64%
WWVS LIFAC2HP	-	-	-	(1)	1	-	-	(1)	1	-	-	(1)	1	-
WWVS LIFAC-TWRHP	(2,451)	03/21/16 at 1400 EST	(14)	(2)	14	98.99%	(7)	-	7	100.00%	(7)	-	7	100.00%
WWVS ZeroDischargeHP	(6,591)	03/13/16 at 0900 EST	(20)	(14)	24	81.92%	-	-	-	-	-	-	-	-
WWVS FirePump1HP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WWVS FirePump2HP	(1,894)	03/01/16 at 0300 EST	(6)	(3)	7	89.44%	(5)	(2)	5	92.85%	(3)	(2)	4	83.21%
WWVS BaghouseHP	(158,501)	03/23/16 at 1000 EST	(966)	(576)	1,125	85.89%	(66)	(3)	66	99.90%	(66)	(3)	66	99.90%
WWVS G1HP1	(51,712)	03/22/16 at 0900 EST	(1,002)	(907)	1,352	74.14%	-	-	-	-	-	-	-	-
WWVS G1HP2	(144,799)	03/22/16 at 0800 EST	(1,320)	(921)	1,610	82.01%	(139)	(56)	150	92.76%	(140)	(56)	151	92.85%
WWVS G2HP1	(444,178)	03/15/16 at 1500 EST	(4,949)	(3,287)	5,941	83.30%	-	-	-	-	-	-	-	-
WWVS G2HP2	(121,933)	03/21/16 at 0700 EST	(1,769)	(1,652)	2,420	73.09%	(114)	(69)	133	85.55%	(113)	(73)	135	84.00%

REVENUE REPORT

January-16

1

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>19,192,629</u>	<u>\$ 2,007,496.06</u>	
	Total R 44010	19,192,629	\$ 2,007,496.06	
COMMERCIAL				
		<u>3,369,683</u>	<u>\$ 501,256.64</u>	<u>17</u>
	Total CL 44210	3,369,683	\$ 501,256.64	17
GENERAL POWER				
		<u>11,196,527</u>	<u>\$ 1,147,431.14</u>	<u>18,875</u>
	Total GP 44220	11,196,527	\$ 1,147,431.14	18,875
INDUSTRIAL POWER				
	IS -COIN	4,536,000	\$ 430,282.27	12,628
	IS	<u>2,792,300</u>	<u>\$ 228,939.77</u>	<u>4,944</u>
	Total IS 44270	7,328,300	\$ 659,222.04	17,572
LARGE POWER				
	LPS-COIN	26,842,154	\$ 2,113,763.13	53,540
	LPS	<u>8,263,022</u>	<u>\$ 741,559.22</u>	<u>18,457</u>
	Total LPS 44280	35,105,176	\$ 2,855,322.35	71,997
GENERAL ELECT HEAT				
		<u>234,496</u>	<u>\$ 24,499.15</u>	<u>49</u>
	Total GEH 44290	234,496	\$ 24,499.15	49
ELECTRIC HEAT SCHOOLS				
	43	<u>132,176</u>	<u>\$ 12,713.61</u>	<u>0</u>
	Total EHS 44500	132,176	\$ 12,713.61	0
RESIDENTIAL - OLS				
		<u>260,179</u>	<u>\$ 23,577.32</u>	
	Total OLS 44260	260,179	\$ 23,577.32	
FLAT RATE (237)				
	Rate 8 - N	25,756	\$ 5,865.69	
	Rate 39 - CATV	<u>37,972</u>	<u>\$ 6,614.75</u>	
	Total N 44410	63,728	\$ 12,480.44	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>76,882,894</u>	<u>\$ 7,243,998.75</u>	<u>108,510</u>

January-16

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,854	\$ 2,033.13	
PUBLIC BLDGS - CITY	44230	54,377	\$ 7,845.17	
CITY STREET LIGHTS				
Rate 7	44420	<u>487,335</u>	<u>\$ 67,199.09</u>	
	CITY - GP 44	140,533	\$ 14,946.54	0
	CITY - GEH 46	141,385	\$ 14,911.77	48
	Sanitation - IS	903,000	\$ 68,233.68	1,481
	44240	<u>1,184,918</u>	<u>\$ 98,091.99</u>	<u>1,529</u>
	CITY -14610	<u>1,733,484</u>	<u>\$ 175,169.38</u>	<u>1,529</u>
TOTAL ALL REC'V [14210+14610]		<u><u>78,616,378</u></u>	<u><u>\$ 7,419,168.13</u></u>	<u><u>110,039</u></u>
	PENALTIES 45000		\$ 63,956.97	
	SALES TAX 24170		\$ 257,890.10	
	WRITE OFFS 14400		\$ 9,151.52	
TOTAL OF ALL CHARGES		<u><u>78,616,378</u></u>	<u><u>\$ 7,750,166.72</u></u>	

REVENUE REPORT

February-16

1

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>18,445,353</u>	<u>\$ 1,937,909.93</u>	
	Total R 44010	18,445,353	\$ 1,937,909.93	
COMMERCIAL				
		<u>3,438,323</u>	<u>\$ 512,120.70</u>	<u>13</u>
	Total CL 44210	3,438,323	\$ 512,120.70	13
GENERAL POWER				
		<u>10,925,832</u>	<u>\$ 1,124,923.80</u>	<u>18,767</u>
	Total GP 44220	10,925,832	\$ 1,124,923.80	18,767
INDUSTRIAL POWER				
	IS -COIN	4,400,550	\$ 417,980.63	12,962
	IS	<u>2,607,850</u>	<u>\$ 218,438.07</u>	<u>4,821</u>
	Total IS 44270	7,008,400	\$ 636,418.70	17,783
LARGE POWER				
	LPS-COIN	24,961,364	\$ 2,004,285.95	50,803
	LPS	<u>7,493,316</u>	<u>\$ 701,423.04</u>	<u>18,147</u>
	Total LPS 44280	32,454,680	\$ 2,705,708.99	68,950
GENERAL ELECT HEAT				
		<u>252,315</u>	<u>\$ 26,357.22</u>	<u>48</u>
	Total GEH 44290	252,315	\$ 26,357.22	48
ELECTRIC HEAT SCHOOLS				
	43	<u>34,176</u>	<u>\$ 3,287.28</u>	<u>0</u>
	Total EHS 44500	34,176	\$ 3,287.28	0
RESIDENTIAL - OLS				
		<u>235,457</u>	<u>\$ 22,747.42</u>	
	Total OLS 44260	235,457	\$ 22,747.42	
FLAT RATE (237)				
	Rate 8 - N	26,676	\$ 5,860.43	
	Rate 39 - CATV	<u>39,328</u>	<u>\$ 6,788.47</u>	
	Total N 44410	66,004	\$ 12,648.90	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>72,860,540</u>	<u>\$ 6,982,122.94</u>	<u>105,561</u>

February-16

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,047	\$ 1,937.30	
PUBLIC BLDGS - CITY	44230	57,734	\$ 8,240.22	
CITY STREET LIGHTS				
Rate 7	44420	<u>504,181</u>	<u>\$ 67,083.32</u>	
	CITY - GP 44	128,872	\$ 13,823.28	0
	CITY - GEH 46	118,250	\$ 12,785.09	49
	Sanitation - IS	821,100	\$ 63,854.32	1,621
	44240	<u>1,068,222</u>	<u>\$ 90,462.69</u>	<u>1,670</u>
	CITY -14610	<u>1,636,184</u>	<u>\$ 167,723.53</u>	<u>1,670</u>
TOTAL ALL REC'V [14210+14610]		<u><u>74,496,724</u></u>	<u><u>\$ 7,149,846.47</u></u>	<u><u>107,231</u></u>
	PENALTIES 45000		\$ 22,695.95	
	SALES TAX 24170		\$ 251,668.83	
	WRITE OFFS 14400		\$ (11,128.12)	
TOTAL OF ALL CHARGES		<u><u>74,496,724</u></u>	<u><u>\$ 7,413,083.13</u></u>	

REVENUE REPORT

March-16

1

	RATE CODE	HOURS	REVENUE DOLLARS	KVA
RESIDENTIAL				
		<u>15,874,629</u>	<u>\$ 1,704,995.33</u>	
	Total R 44010	15,874,629	\$ 1,704,995.33	
COMMERCIAL				
		<u>3,077,994</u>	<u>\$ 465,030.60</u>	<u>9</u>
	Total CL 44210	3,077,994	\$ 465,030.60	9
GENERAL POWER				
		<u>10,969,122</u>	<u>\$ 1,127,675.32</u>	<u>18,839</u>
	Total GP 44220	10,969,122	\$ 1,127,675.32	18,839
INDUSTRIAL POWER				
	IS -COIN	4,421,200	\$ 382,386.08	12,742
	IS	<u>2,765,800</u>	<u>\$ 222,999.86</u>	<u>4,907</u>
	Total IS 44270	7,187,000	\$ 605,385.94	17,649
LARGE POWER				
	LPS-COIN	28,141,768	\$ 2,203,941.21	57,192
	LPS	<u>7,439,894</u>	<u>\$ 686,817.94</u>	<u>17,571</u>
	Total LPS 44280	35,581,662	\$ 2,890,759.15	74,763
GENERAL ELECT HEAT				
		<u>220,841</u>	<u>\$ 23,271.13</u>	<u>50</u>
	Total GEH 44290	220,841	\$ 23,271.13	50
ELECTRIC HEAT SCHOOLS				
	43	<u>184,336</u>	<u>\$ 17,730.73</u>	<u>0</u>
	Total EHS 44500	184,336	\$ 17,730.73	0
RESIDENTIAL - OLS				
		<u>264,232</u>	<u>\$ 23,450.93</u>	
	Total OLS 44260	264,232	\$ 23,450.93	
FLAT RATE (237)				
	Rate 8 - N	30,356	\$ 5,894.31	
	Rate 39 - CATV	<u>44,753</u>	<u>\$ 7,262.19</u>	
	Total N 44410	75,109	\$ 13,156.50	
ACCOUNTS RECEIVABLE CONTROL				
	Total 14210	<u>73,434,925</u>	<u>\$ 6,871,455.63</u>	<u>111,310</u>

March-16

	RATE CODE	KILOWATT HOURS	REVENUE	KVA
TRAFFIC LIGHTS				
STREET DEPT	44430	6,185	\$ 1,939.88	
PUBLIC BLDGS - CITY	44230	53,701	\$ 7,517.56	
CITY STREET LIGHTS				
Rate 7	44420	<u>573,072</u>	<u>\$ 67,643.92</u>	
	CITY - GP 44	119,334	\$ 12,905.37	0
	CITY - GEH 46	108,730	\$ 11,781.82	50
	Sanitation - IS	890,400	\$ 68,007.96	1,567
	44240	<u>1,118,464</u>	<u>\$ 92,695.15</u>	<u>1,617</u>
	CITY -14610	<u>1,751,422</u>	<u>\$ 169,796.51</u>	<u>1,617</u>
TOTAL ALL REC'V [14210+14610]		<u><u>75,186,347</u></u>	<u><u>\$ 7,041,252.14</u></u>	<u><u>112,927</u></u>
	PENALTIES 45000		\$ 50,378.60	
	SALES TAX 24170		\$ 230,031.57	
	WRITE OFFS 14400		\$ 37,260.57	
TOTAL OF ALL CHARGES		<u><u>75,186,347</u></u>	<u><u>\$ 7,358,922.88</u></u>	