

Secretary of the Commission  
Indiana Utility Regulatory Commission

via Electronic Filing

Received: October 31, 2014  
IURC 30-Day Filing No: 3293  
Indiana Utility Regulatory Commission

101 West Washington Street, Suite 1500 East  
Indianapolis, Indiana 46204

October 31, 2014

Re: Electric Vehicle Charging on Public Premises (Rate EVP)

Dear Secretary:

Pursuant to 170 IAC 1-6 (Rule 6), the Thirty-Day Administrative Filing Procedures and Guidelines Rule, Indianapolis Power & Light Company (IPL) submits herewith for filing a revised Experimental Rate for Public Charging of Electric Vehicles (Rate EVP).

Rate EVP was revised and extended beginning on January 1, 2013, and provides for public Electric Vehicle charging at the rate of \$2.50 per charge. IPL currently has 22 public charging stations available for public use on Rate EVP. These charging stations provide a positive customer experience, make Indianapolis an attractive option to those interested in EVs, and serve to reduce range anxiety.

IPL respectfully requests approval of this tariff under the 30-day filing procedure with the extension effective beginning on January 1, 2015, and continuing for two years.

The following documents are attached:

Exhibit A - IPL's proposed revised Electric Vehicle Charging on Public Premises (Rate EVP), 2<sup>nd</sup> Revised Sheet No.140 (Clean version)


Exhibit B - IPL's proposed revised Electric Vehicle Charging on Public Premises (Rate EVP), 2<sup>nd</sup> Revised Sheet No.140 (redlined version)

Exhibit C – Final Year 3 Electric Vehicle Pilot Program Report (Cause No. 43960)

In addition, this filing contains a Verified Statement by IPL concerning notification of customers regarding the revisions to Rate EVP and a copy of such notification.

Please contact me with any questions regarding this matter.

Sincerely,

  
Elaine Chambers  
Manager, Rates and Regulations

Attachments  
cc: Office of the Utility Consumer Counselor

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RATE EVP  
ELECTRIC VEHICLE CHARGING ON PUBLIC PREMISES

AVAILABILITY:

Available to Customers charging their electric vehicles (EVs) at certain public charging facilities located within the Company's assigned utility service area. Such public charging facilities may be located at hotels, museums, public parking facilities, etc. Participation is voluntary. Energy consumption billed under this rate shall be used exclusively for charging licensed electric vehicles.

EQUIPMENT:

The Company will own and operate the public charging equipment and will install, own and operate any necessary metering equipment subject to a lease agreement with the owners of the property on which public charging equipment is located. Customer's charging system in the electric vehicle must meet applicable standards. Further, Customers must take responsibility for (and indemnify and hold the Company harmless with respect to) the adequacy, condition and operation of the Customers' charging system in the electric vehicle.

METERING AND BILLING:

EV charging service will be billed and paid for at the point of service prior to charging by means of credit, debit, or pre-paid cards, as determined by the Company, at rates specified in this rate schedule. The charging service will be metered separately.

CHARACTER OF SERVICE:

Sixty cycle alternating current energy, ordinarily delivered and measured at 120/240 volts single phase three wire, 120/240 volts three phase four wire, or 120/208 volts three phase four wire, at the option of the Company. Service provided includes use of the charging equipment, electricity needed per session, and the convenience of charging in a public location.

RATE:

During the term of this rate, the initial service charge is a flat fee of \$2.50 per charging session. The Company may seek authority to change this rate, if approved by the Indiana Utility Regulatory Commission.

STANDARD CONTRACT RIDERS APPLICABLE:

NONE

PAYMENT:

This rate requires Customers to prepay for the voluntary service provided pursuant to this tariff by means of credit, debit, or pre-paid cards only, as determined by the Company. Payment must be made before charging service is rendered.

TERM:

The anticipated term for this rate is two (2) years beginning with the Commission approved effective date.

RULES:

Service hereunder shall be subject to the Company's Rules and Regulations for Electric Service, and to the Rules and Standards of Service for the Electrical Public Utilities of Indiana prescribed by the Indiana Utility Regulatory Commission, as the same are now in effect, and as they may be changed from time to time hereafter.

Effective

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RATE EVP

~~EXPERIMENTAL SERVICE FOR~~ ELECTRIC VEHICLE CHARGING ON PUBLIC PREMISES

AVAILABILITY:

Available to Customers charging their electric vehicles (EVs) at certain public charging facilities located within the Company's assigned utility service area. Such public charging facilities may be located at hotels, museums, public parking facilities, etc. Participation is voluntary. Energy consumption billed under this rate shall be used exclusively for charging licensed electric vehicles.

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The anticipated term for this rate is two (2) years beginning with the Commission approved effective date.

RULES:

Service hereunder shall be subject to the Company's Rules and Regulations for Electric Service, and to the Rules and Standards of Service for the Electrical Public Utilities of Indiana prescribed by the Indiana Utility Regulatory Commission, as the same are now in effect, and as they may be changed from time to time hereafter.

Effective

Cause No. 43960

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INDIANAPOLIS POWER & LIGHT COMPANY

**FILED**  
May 2, 2014  
INDIANA UTILITY  
REGULATORY COMMISSION

# Electric Vehicle Program

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**Year 3**  
**2013 Report**

May 2, 2014

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# IPL Electric Vehicle Program

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## Background

Indianapolis Power & Light Company (IPL) finalized its electric vehicle (EV) pilot program plans following the receipt of a Smart Grid Investment Grant award from the US Department of Energy in April 2010. The proposed plan allowed IPL customers, who purchased a plug in EV, to receive an advanced charging station that would allow for reduced charging rate. The initial pilot program was designed to be a two year program that ran from January 2011 through December 2012. Additional funding was secured through the Indiana Office of Energy and Development through Energy Systems Network in the third quarter of 2010. In December 2010, IPL supplemented its testimony in a demand side management proceeding, Cause No. 43960, before the Indiana Utility Regulatory Commission (IURC) to include a request for timely cost recovery of the non-grant funded portion of the EV program. In its order issued in November 2011, the IURC granted IPL permission to defer expenses totaling up to \$1,053,000, for recovery in its next rate case proceeding.<sup>1</sup> In anticipation of the completion of the two year pilot program, IPL requested to extend Rate EVX and Rate EVP through the end of 2014. IPL proposed changes to Rate EVX to require customers to procure, pay for, install, and maintain the EV charging equipment, while IPL would pay for, install, own, and maintain the submeter. The Indiana Utility Regulatory Commission approved the extension of Rate EVX (with the proposed modifications) and Rate EVP in October 2012.

This report provides a description of the project objectives, participation from March 2011 through December 2013, current status, and expected next steps. This report is the third and final report given the completion of the pilot program and related grant funding.

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<sup>1</sup>The IURC previously approved EV tariffs including a time of use customer premise rate, EVX, and public rate of \$2.50 per charge, EVP, through an administrative filing approved in January 2011 for a 2 year period.

## Project Objectives

IPL's EV program objectives include:

- Accommodate the use of EVs in IPL's service territory by offering time-of-use (TOU) rates to EV customers, which are designed to promote charging during off-peak periods;
- Foster EV adoption by installing public charging stations at convenient locations in order to reduce range anxiety;
- Gain further insight into the potential system impact from the use of EVs
- Educate public about electric transportation
- Understand customer expectations

## Current Status

The two year EV pilot program is successfully complete. The initial program objectives have been achieved. IPL has successfully accommodated the use of EVs by offering charging equipment in residential and public locations, and offering a Time of Use (TOU) rate structure. Following the completion of the pilot program, IPL continues to offer its TOU rate to customers under the revised guidelines, and has seen a continued interest from customers willing to charge off peak in exchange for a reduced rate. The limited number of electric vehicles deployed has not necessitated upgrading IPL generation, transmission, or distribution facilities. IPL will continue to monitor and analyze the information gathered from the pilot program in order to better understand the continuing impact EVs may have on the electric grid.

## Significant Milestones

During its two year pilot, IPL successfully launched the EV program, coordinated the deployment of software products that support Electric Vehicle Supply Equipment (EVSE)<sup>2</sup> in central Indiana, and participated in a significant number of seminars and public outreach events. Following an announced partnership between IPL and Mayor Ballard's office, IPL provided 26 charging stations to support Executive Order number 6-2012, raising program installations to 86% of the expected two-year total EVSE program volumes in residential, fleet, and public venues. IPL was one of the first investor owned utilities to install public EVSEs in the United States. Specific accomplishments are highlighted below.

- As of March 31, 2013, IPL has installed 162 chargers in 111 locations. The locations consist of 89 residential; 11 fleet; and 8 public.
- In addition, ten (10) previously owned residential units (secondary use units) were donated for installation at three businesses; Tom Wood Ford, the Indianapolis Zoo, and Eli Lilly & Company.

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<sup>2</sup> The terms "EVSE," "chargers," and "charging stations" are used interchangeably in this report.

IPL has installed 22 public chargers at eight public locations that allow EV users to charge vehicles at a flat fee of \$2.50 per charge for an unlimited amount of time through the approved Rate EVP tariff. The public locations include:

1. Denison Merchant's Garage; 31 S Meridian St. (4 chargers)
2. Arthur M. Glick Jewish Community Center; 6701 Hoover Rd. (2 chargers)
3. Garfield Park Public Library; 2502 Shelby St. (2 chargers)
4. Indiana State Garage; 401 W Washington St. (6 chargers)
5. Georgia St Boardwalk; 201 McCrea St. (2 chargers)
6. Denison Plaza Garage; 103 S Capitol Ave. (2 Chargers)
7. Butler University Hinkle Fieldhouse; 510 W 49<sup>th</sup> St. (2 Chargers)
8. City Way; 301 S Delaware St. (2 Chargers)

## EV Usage

Detailed energy usage for EV charging comprises Appendices C, D and E which are summarized in the following points.

- Rate EVX has seen an increase from sixty (60) customers in December 2012 to ninety-five (95) customers in December 2013. On average, these customers used approximately 209 kWh in December of 2013.
- Approximately 76% of the electricity used for residential EV charging occurred off-peak, an additional 4% occurred mid-peak, and the remaining 20% occurred in peak periods.
- Public units on Rate EVP indicate a total of 10,600 kWh used from January 1, 2013, to December 31, 2013, with an average of 883 kWh consumed per month. This is a 204% increase in kWh per month over the previous year.

## Conclusion/Expected Next Steps

- Overall experiences have been very positive for IPL and its customers.
- IPL better understands distribution grid impacts through metered usage.
- Project costs were less than budgeted in part due to less than the targeted number of 200 units being installed. Construction costs were also less than originally expected.
- During 2014 IPL will:
  - Continue to keep partners and customers informed on the status of Rate EVX and Rate EVP.
  - Continue to provide excellent customer service to EVX and EVP customers



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Evaluate Rate EVX and Rate EVP in anticipation of scheduled expiration at year end 2014 and submit a filing to the IURC for any requests to modify or extend the current rates.

## Appendix A: Electric Vehicle Supply Equipment

By Classification					
	Residential	Fleet	Public	Secondary Use Units*	Total
	89	51	22	10	172

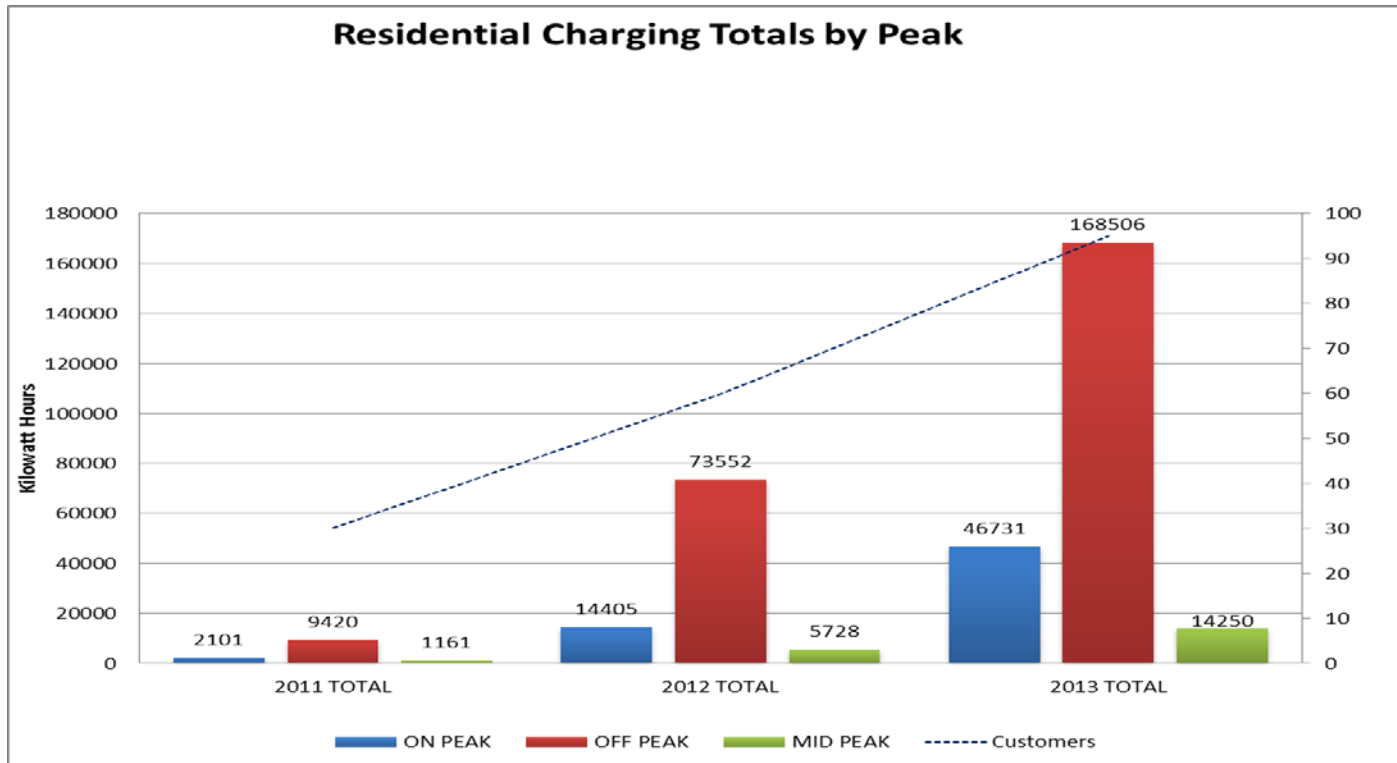
Locations					
	Residential	Fleet	Public	Secondary Use Units*	Total
	89	14	8	3	114

\* These gently used units were redeployed to commercial customers

## Appendix B: IPL Electric Vehicle Program Costs

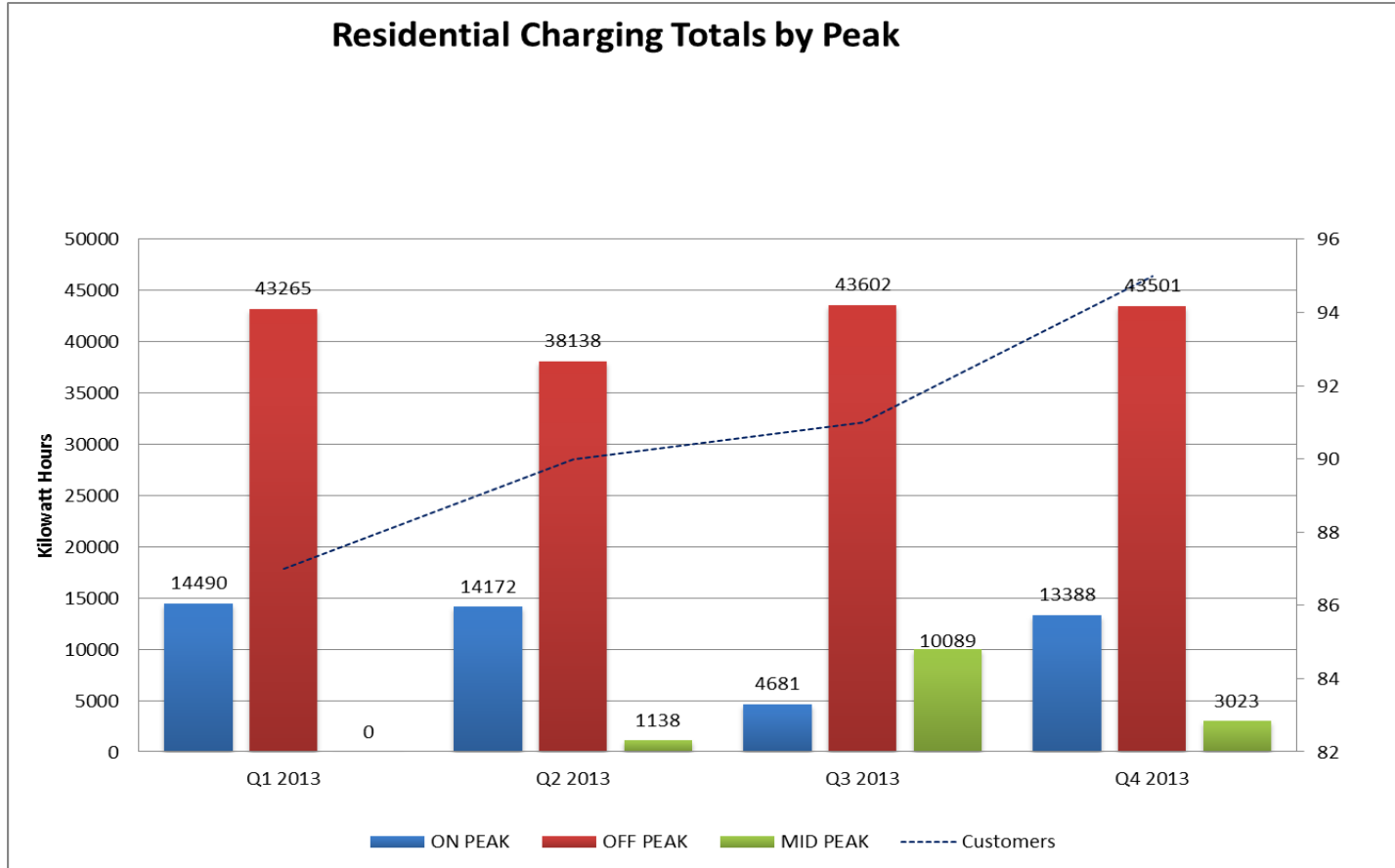
<b>IPL EV Program Summary</b>	<b>3 Year Budget</b>	<b>Actual Costs</b>	<b>Budget Variance</b>
<b>Estimated Total Expenses</b>	\$1,663,000	\$741,508	\$921,492
<b>Grant Funding</b>	(\$610,000)	(\$363,098)	(\$246,902)
<b>Net Totals</b>	\$1,053,000	\$378,410	\$674,590

## Appendix C: Residential Charging by Period- Yearly Comparison



These totals are reflective of the usage billed during a given billing period, which can include usage from two calendar months.

## Appendix D: Residential Charging by Period- 2013 Quarterly



## Appendix E: kWh Usage

Electric Vehicle Usage (kWh)																
<b>Residential locations</b>	<b>2011 Totals</b>	<b>2012 Total kWh</b>	<b>Jan-13</b>	<b>Feb-13</b>	<b>Mar-13</b>	<b>Apr-13</b>	<b>May-13</b>	<b>Jun-13</b>	<b>Jul-13</b>	<b>Aug-13</b>	<b>Sep-13</b>	<b>Oct-13</b>	<b>Nov-13</b>	<b>Dec-13</b>	<b>2013 Total</b>	<b>Total kWh</b>
<b>Residential EV Usage</b>	12,682	106,369	23,483	17,073	17,199	17,038	16,189	20,221	20,449	20,172	17,752	20,816	19,223	19,872	229,487	348,538
<b>Fleet locations</b>	<b>2011 Totals</b>	<b>2012 Total kWh</b>	<b>Jan-13</b>	<b>Feb-13</b>	<b>Mar-13</b>	<b>Apr-13</b>	<b>May-13</b>	<b>Jun-13</b>	<b>Jul-13</b>	<b>Aug-13</b>	<b>Sep-13</b>	<b>Oct-13</b>	<b>Nov-13</b>	<b>Dec-13</b>	<b>2013 Total</b>	<b>Total kWh</b>
<b>C&amp;I EV Usage</b>	6,900	25,816	835	862	962	984	820	1,420	1,485	1,811	1,702	1,807	1,675	1,736	16,099	48,815
<b>Public Locations</b>	<b>2011 Totals</b>	<b>2012 Total kWh</b>	<b>Jan-13</b>	<b>Feb-13</b>	<b>Mar-13</b>	<b>Apr-13</b>	<b>May-13</b>	<b>Jun-13</b>	<b>Jul-13</b>	<b>Aug-13</b>	<b>Sep-13</b>	<b>Oct-13</b>	<b>Nov-13</b>	<b>Dec-13</b>	<b>2013 Total</b>	<b>Total kWh</b>
<b>Indiana State Garage</b>	1,096	1,587	3	0	0	16	0	52	32	7	0	10	8	16	144	2,827
<b>Denison Merchant's Garage</b>	841	2,081	234	298	332	279	484	614	625	573	415	472	159	324	4809	7,731
<b>Garfield Park Public Library</b>	54	309	197	155	28	86	202	114	100	78	23	27	26	19	1055	1,418
<b>Jewish Community Center</b>	51	362	38	29	24	23	39	28	27	30	24	30	33	25	350	763
<b>Georgia Street</b>	-	408	132	53	120	132	179	315	406	443	446	396	345	466	3433	3,841
<b>Butler- Hinkle Fieldhouse</b>	-	215	31	38	39	29	38	41	39	29	28	87	41	41	481	696
<b>Denison Plaza Garage</b>	-	-	0	32	0	0	32	25	35	14	0	0	34	6	178	178
<b>City Way</b>	-	-	-	-	-	-	-	-	0	0	4	13	15	118	150	150
	2,042	4,962													10,600	17,604

These totals are reflective of usage during a calendar month and may vary from calculations based on billing cycle.

**Verified Statement of Indianapolis Power & Light Company (IPL)**

**Concerning Notification of Customers Affected by the Electric Vehicle Charging on Public Premises**

Indianapolis Power & Light Company complied with the Notice Requirements under 170 IAC 1-6-6 in the following manner:

- beginning on October 27, 2014 and continuing through the filing date, the attached notice was posted in the Customer Service Office at 2102 N. Illinois Street
- beginning on October 27, 2014 and continuing through the filing date, the same notice was posted on IPL's website under the Pending section of the Rates, Rules and Regulations area
- a legal notice placed in the Indianapolis Star on October 27, 2014 as evidenced by the attached Publishers Affidavit; and
- beginning on the filing date, a copy of the Electric Vehicle Charging 30 day filing will be included on IPL's website under the Pending section of the Rates, Rules and Regulations area

I affirm under penalties for perjury that the foregoing representations are true to the best of my knowledge, information, and belief.

Dated this 31st day of October, 2014.



Elaine Chambers  
Manager, Rates and Regulations

## LEGAL NOTICE

Received: October 31, 2014  
IURC 30-Day Filing No.: 3293  
Indiana Utility Regulatory Commission

Notice hereby given that on or about October 31, 2014, Indianapolis Power & Light Company expects to file a request for approval of a Tariff, entitled Rate EVP—Electric Vehicle Charging on Public Premises, with the IURC. The continuation of Rate EVP will affect only those members of the public who voluntarily pre-pay for public vehicle charging. IPL anticipates approval of the filing on or before December 31, 2014. Rate EVP will be in place for approximately two years, or until terminated or superseded by new rates approved by the IURC.

This notice is provided to the public pursuant to 170 IAC 1-6-6. The contact information, to which an objection should be made, is as follows:

Secretary  
Indiana Utility Regulatory Commission  
101 W. Washington Street, Suite 1500 East  
Indianapolis, Indiana 46204  
Telephone: (317) 232-2700  
Fax: (317) 232-6758  
Email: [info@urc.in.gov](mailto:info@urc.in.gov)

Office of Utility Consumer Counselor  
115 W. Washington Street, Suite 1500 South  
Indianapolis, Indiana 46204  
Telephone: (317) 232-2484  
Toll Free: 1-888-441-2494  
Fax: (317) 232-5923  
Email: [uccinfo@oucc.in.gov](mailto:uccinfo@oucc.in.gov)

Dated October 27, 2014.



**LEGAL NOTICE**

Notice is hereby given that on or about October 31, 2014, Indianapolis Power & Light Company (IPL) will submit to the Public Utility Regulatory Commission (IURC) for approval of a Tariff, entitled Rate EVF, which will affect only those members of the public who voluntarily pre-pay for public vehicle charging. IPL anticipates approval of the filing on or before December 31, 2014. Rate EVF will be in place for approximately two years, or until terminated or superseded by new rates approved by the IURC.

This notice is provided to the public pursuant to 170 IAC 1-6-6. The contact information, to which an objection should be made, is as follows:

Secretary  
Indiana Utility Regulatory Commission  
101 W. Washington Street, Suite 1500 East  
Indianapolis, Indiana 46204  
Telephone: (317) 232-2700  
Fax: (317) 232-6758  
Email: info@urc.in.gov

Office of Utility Consumer Counselor  
115 W. Washington Street, Suite 1500 South  
Indianapolis, Indiana 46204  
Telephone: (317) 232-2484  
Toll Free: 1-888-441-2494  
Fax: (317) 232-5923  
Email: uccinfo@oucc.in.gov

Dated October 27, 2014.  
(S - 10/27/14 - 6174573)

**PUBLISHER'S AFFIDAVIT**

State of Indiana      SS:  
MARION County

Personally appeared before me, a notary public in and for said county and state, the undersigned **ERICA HART** who, being duly sworn, says that SHE is clerk of the INDIANAPOLIS NEWSPAPERS a DAILY STAR newspaper of general circulation printed and published in the English language in the city of INDIANAPOLIS in state and county aforesaid, and that the printed matter attached hereto is a true copy, which was duly published in said paper for **1** time(s), between the dates of:

**10/27/2014 and 10/27/2014**

*Erica Hart*

Clerk  
Title

Subscribed and sworn to before me on **10/27/2014**

*Daniel Spay*

Notary Public

My commission expires: \_\_\_\_\_