

October 2, 2014

Ms. Brenda A. Howe  
Secretary of the Commission  
Indiana Utility Regulatory Commission  
PNC Center  
101 W. Washington Street – Suite 1500 East  
Indianapolis, IN 46204

RE: Thirty Day Filing for Vectren South

Dear Ms. Howe:

This filing is being made on behalf of Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc. (Vectren South) under the Commission's Thirty-Day Administrative Filing Procedures and Guidelines (Guidelines) to request approval of (1) tariff language changes to Rider NM – Net Metering Rider in the Vectren South Tariff for Electric Service and (2) revisions to its Customer-Owned Generation (Net Metering) Interconnection Agreement and Application for Level 1 interconnections.

Vectren South is making this filing to change its Terms and Conditions of Service under Rider NM- Net Metering Rider to remove the requirement that a customer install a disconnecting device at the point of common coupling for a Level 1 interconnection. A clean and redlined version of the applicable tariff sheet is attached. Changes are also proposed to Vectren South's Customer-Owned Generation (Net Metering) Interconnection Agreement and Application to remove references to a required disconnect switch. Redlined versions of the Interconnection Agreement and Application have been attached.

This filing is an allowable request under the Guidelines because it is a change to rules and regulations of the utility. 170 IAC 1-6-3(3) provides that changes to rules and regulations of the utility are allowable under the thirty-day filing guidelines.

Vectren South affirms that a notice regarding the filing in the form attached hereto as Exhibit A was published on September 19, 2014 in the Evansville Courier & Press, a newspaper of general circulation in Vanderburgh County, where the largest number of Vectren South's customers is located. Vectren South also affirms that the notice has been posted on its website. Vectren South does not have a local customer service office in which to post the notice.

Any questions concerning this submission should be directed to Shawn M. Kelly, whose contact information is as follows:

Shawn M. Kelly  
Director, Regulatory Affairs  
One Vectren Square  
Evansville, IN 47708  
Tel: 812-491-4759  
Email: [skelly@vectren.com](mailto:skelly@vectren.com)

No workpapers are being submitted with this filing because the proposed revision does not involve a change to Vectren South's rates and charges.

Upon approval of the enclosed tariff sheet, Interconnection Agreement, and Application, please return one (1) file marked and approved copy to me for our files.

Please let me know if the Commission Staff has any questions or concerns about this submission.

Sincerely,

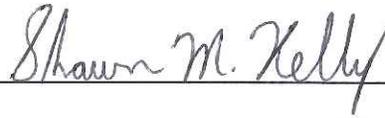
  
Shawn M. Kelly

CC:

Randy Helmen, Office of Utility Consumer Counselor  
Robert Johnson  
Jennifer Washburn, Citizens Action Coalition of Indiana, Inc.  
Robert Heidorn  
Jason Stephenson  
Michelle Quinn  
Scott Albertson

**VERIFICATION**

I, Shawn M. Kelly, Director, Regulatory Affairs for Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc. (Vectren South), affirm under penalties of perjury that, in addition to the attached schedules, the foregoing representations concerning the notice attached as Exhibit A are true and correct to the best of my knowledge, information, and belief. The attached notice was published in a newspaper of general circulation encompassing the highest number of the utility's customers affected by the enclosed filing. The attached notice was also published on the Vectren.com website.



Shawn M. Kelly

Date: 10-2-14

## NOTICE

Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc. ("Vectren South") will request approval of revisions to its Rider NM, Net Metering Rider and Customer-Owned Generation (Net Metering) Interconnection Agreement and Application for Level 1 applications under the Indiana Utility Regulatory Commission's ("IURC") 30-day filing procedures set forth at 170 IAC 1-6-1 *et seq.* The revisions to Rider NM, the Interconnection Agreement and Application will remove a requirement that customers installing generator systems that qualify for Level 1 review install a disconnect device. Any customer installing a generating system that qualifies for a Level 1 interconnection review will be impacted by this revision and will benefit by not being required to incur the cost of a disconnect device to qualify for interconnection. Vectren South anticipates requesting IURC approval by September 18, 2014 and approval from the IURC by October 22, 2014. Any objections should be directed to the Secretary to the Commission at PNC Center, 101 West Washington Street, Suite 1500 E, Indianapolis, IN 46204. Interested parties may also contact the Indiana Office of Utility Consumer Counselor, PNC Center, 115 W. Washington St., Suite 1500 South, Indianapolis, IN 46204.

Received: October 2, 2014  
IURC 30-Day Filing No.: 3291  
Indiana Utility Regulatory Commission

**RIDER NM**  
**NET METERING RIDER**  
(Continued)

**TERMS AND CONDITIONS OF SERVICE**

1. Any characteristic of Customer's generator that degrades or otherwise compromises the quality of service provided to other Company Customers will not be permitted. In Company's determination, all generators shall be installed in compliance with corresponding service connection and IEEE Standard 519.
2. Customer shall agree that Company shall at all times have immediate access to Customer's metering, control, and protective equipment.
3. Customer shall install, operate and maintain the net metering facility in accordance with the manufacturer's suggested practices for safe, efficient and reliable operation in parallel with Company's system.
4. Company may, at its own discretion, isolate any net metering facility if Company has reason to believe that continued interconnection with the net metering facility creates or contributes to a system emergency. System emergencies causing discontinuance of interconnection shall be subject to verification at the Commission's discretion.
5. A disconnecting device must be located at the point of common coupling for all Level 2 and 3 interconnections unless Company provides in writing a waiver of that requirement for a Level 2 net metering facility. For three-phase interconnections, the disconnecting device must be gang operated. The disconnecting device must be accessible to Company personnel at all times and be suitable for use by Company as a protective tagging location. The disconnecting device shall have a visible open gap when in the open position and be capable of being locked in the open position. The cost and ownership of the main disconnect switch shall reside with Customer.
6. Customer is responsible for operating the proposed net metering facility such that voltage imbalance attributable to the net metering facility shall not exceed 1% at the point of common coupling. If voltage imbalance is more than 1% without the generator operating, the generator shall be installed and operated so as not contribute to a further imbalance. Voltage imbalance is the maximum phase deviation from average as specified in ANSI C84.1.
7. Company reserves the right to witness compliance testing at the time of installation and maintenance testing of the interconnection system for compliance with these conditions of service.
8. Customer is responsible for establishing a program for and performing periodic scheduled maintenance on the net metering facility's interconnection system (relays, interrupting devices, control schemes and batteries that involve the protection of Company's distribution system). A periodic maintenance program is to be established in accordance with the requirements of IEEE 1547. Company may examine copies of the periodic test reports or inspection logs associated with the periodic maintenance program. Upon Company's request, Company shall be informed of the next scheduled maintenance and be able to witness the maintenance performed and any associated testing.

Effective: ~~May 3, 2011~~

Received: October 2, 2014  
IURC 30-Day Filing No.: 3291  
Indiana Utility Regulatory Commission

**RIDER NM**  
**NET METERING RIDER**  
(Continued)

**TERMS AND CONDITIONS OF SERVICE**

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8. Customer is responsible for establishing a program for and performing periodic scheduled maintenance on the net metering facility's interconnection system (relays, interrupting devices, control schemes and batteries that involve the protection of Company's distribution system). A periodic maintenance program is to be established in accordance with the requirements of IEEE 1547. Company may examine copies of the periodic test reports or inspection logs associated with the periodic maintenance program. Upon Company's request, Company shall be informed of the next scheduled maintenance and be able to witness the maintenance performed and any associated testing.

Effective:

## Customer-Owned Generation (Net Metering)

Interconnection Agreement (For Interconnection and Parallel Operation of Certified Inverter-Based Equipment 10 kW or Smaller)

Revised: August 2014

**THIS INTERCONNECTION AGREEMENT** ("Agreement") is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc. ("Company"), and \_\_\_\_\_ ("Customer").

Customer is installing, or has installed, inverter-based Customer-generator facilities and associated equipment ("Generation Facilities") to interconnect and operate in parallel with Company's electric distribution system, which Generation Facilities are more fully described as follows:

Location: \_\_\_\_\_

Type of facility:  Solar  Wind Other \_\_\_\_\_

Inverter Power Rating: \_\_\_\_\_ (Must have individual inverter name plate capacity of 10kW or less.)

Inverter Manufacturer and Model Number: \_\_\_\_\_

Description of electrical installation of the Generation Facilities, including any field adjustable voltage and frequency settings:

As shown on a single line diagram attached hereto as "Exhibit A" and incorporated herein by this reference; or

Described as follows:

Executed Agreement will be sent for customer signature following application approval

Customer represents and agrees that the Generation Facilities are, or will be prior to operation, certified as complying with:

- i. The requirements of the Institute of Electrical and Electronics Engineers ("IEEE") Standard 1547-2003, "Standard for Interconnecting Distributed Resources with Electric Power Systems", as amended and supplemented as of the date of this Agreement, which standard is incorporated herein by this reference ("IEEE Standard 1547-2003"); or
- ii. The requirements of the Underwriters Laboratories ("UL") Standard 1741 concerning Inverters, Converters and Controllers for Use in Independent Power Systems, as amended and supplemented as of the date of this Agreement, which standard is incorporated herein by this reference.

Customer further represents and agrees that:

- i. The Generation Facilities are, or will be prior to operation, designed and installed to meet all applicable requirements of IEEE Standard 1547-2003, the National Electrical Code and local building codes, all as in effect on the date of this Agreement and;
- ii. The voltage and frequency settings for the Generation Facilities are fixed or, if field adjustable, are as stated above and;
- iii. ~~If requested by Company, Customer will install and maintain, at Customer's expense, a disconnect switch located outside and accessible by Company personnel.~~

Customer agrees to maintain reasonable amounts of insurance related to the Generation Facilities for which there is a reasonable likelihood of occurrence, as required by Indiana Administrative Code ("IAC") 4-4.3-10, as the same may be revised from time to time by the Indiana Utility Regulatory Commission ("Commission"). Customer agrees to provide Company from time to time with proof of such insurance upon Company's request.

With respect to the Generation Facilities and their interconnection to Company's electric system, Company and Customer, whichever is applicable, (the "Indemnifying Party") shall indemnify and hold the other harmless from and against all claims, liability, damages and expenses, including attorney's fees, based on any injury to any person, including the loss of life, or damage to any property, including the loss of use thereof, arising out of, resulting from, or connected with, or that may be alleged to have arisen out of, resulted from, or connected with, an act or omission by the Indemnifying Party, its employees, agents, representatives, successors or assigns in the construction, ownership, operation or maintenance of the Indemnifying Party's facilities, as required by the provisions 170 IAC 4-4.3-10(b)(2), as the same may be revised from time to time by the Commission.

Company agrees to allow Customer to interconnect and operate the Generation Facilities in parallel with Company's electric system in accordance with the provisions of 170 IAC 4-4.3, as the same may be revised from time to time by the Commission, which provisions are incorporated herein by this reference.

In the event that Customer and Company are unable to agree on matters relating to this Agreement, either Customer or Company may submit a complaint to the Commission in accordance with the Commission's applicable rules.

For purposes of this Agreement, the term "certify" (including variations of that term) has the meaning set forth in 170 IAC 4-4.3-5, as the same may be revised from time to time by the Commission, which provision is incorporated herein by this reference.

Customer's use of the Generation Facilities is subject to the rules and regulations of Company, including Company's General Terms and Conditions for Electric Service, as contained in Company's Retail Electric Tariff, as the same may be revised from time to time with the approval of the Commission. Both Company and this Agreement are subject to the jurisdiction of the Commission. To the extent that Commission approval of this Agreement may be required now or in the future, this Agreement and Company's commitments hereunder are subject to such approval.

**IN WITNESS WHEREOF**, the Parties have executed this Agreement, effective as of the date first above written.

\_\_\_\_\_  
"Company"  
By: \_\_\_\_\_  
(Title) \_\_\_\_\_

\_\_\_\_\_  
"Customer"  
By: \_\_\_\_\_  
(Title) \_\_\_\_\_

Please send completed agreement by email to [newbusiness@vectren.com](mailto:newbusiness@vectren.com) or by fax to (812) 491-4532.



## Customer-Owned Generation (Net Metering)

Application for Interconnection (Level 1\* - Certified\*\* Inverter-Based Generation Equipment 10 kW or Smaller)

Revised: June 2013

Customer Name:

Customer Address:

Home/Business Phone:  Daytime Phone:

Email Address (Optional):

Type of Facility:  Solar Photovoltaic  Wind Turbine  Other (Please specify):

Inverter Power Rating:  Quantity:  Total Rated "AC" Output:

Inverter Manufacturer and Model Number:

Name of Contractor/Installer:

Address:

Phone Number:  Email Address:

Attach documentation confirming that a nationally recognized testing and certification laboratory has listed the equipment.

Attach a single line diagram or sketch one below that includes all electrical equipment from the point where service is taken from Vectren Energy Delivery of Indiana to the inverter, which includes the main panel, sub-panels, breaker sizes, fuse sizes, and transformers ~~and disconnect switches (which may need to be located outside and accessible by utility personnel).~~

\*Level 1 as defined in 170 Indiana Administrative Code 4-4.3-4(a)  
\*\* Certified as defined in 170 Indiana Administrative Code 4-4.3-5

**submit**  
when finished

Please send completed application by email to [newbusiness@vectren.com](mailto:newbusiness@vectren.com) or by fax to (812) 491-4532.