2011 Net Metering Required Reporting Summary

Indiana's net metering rules (rules) became effective in March 2005 and spell out the *minimum standard offering required of utilities*[1] as well as the participation requirements for eligible customers and utilities alike. The Commission revised its rules in 2011 to expand the eligibility to more facilities as well as all customer classes. As defined in 170 IAC §4-4.2, a net metering customer is a customer in good standing who owns and operates an eligible net metering energy resource[2] on their premises with a nameplate capacity of less than or equal to 1 MW which is used primarily to offset all or part of the customer's annual electricity requirements.

This report summarizes the net metering reports filed by each of the investor-owned utilities (IOU) in compliance with 170 IAC §4-4.2-9(c).

> 170 IAC 4-4.2-9*(c) On or before March 1 of each year, each investor-owned electric utility shall file with the commission a net metering report. The net metering report shall contain the following:*
>
> *(1) The total number of eligible net metering customers and facilities.*
> *(2) The number, size, and type (solar, wind, hydro) of net metering facilities.*
> *(3) The number of new eligible net metering customers interconnected during the previous calendar year.*
> *(4) The number of existing eligible net metering customers that ceased participation in the net metering tariff during the previous calendar year.*
> *(5) If available, data on the amount of electricity generated by net metering facilities.*
> *(6) A list of any system emergency disconnections that occurred and an explanation of each system emergency.*

Utility and statewide comparative data are presented on the following pages, while the individual utility net metering reports are included in Appendix A.

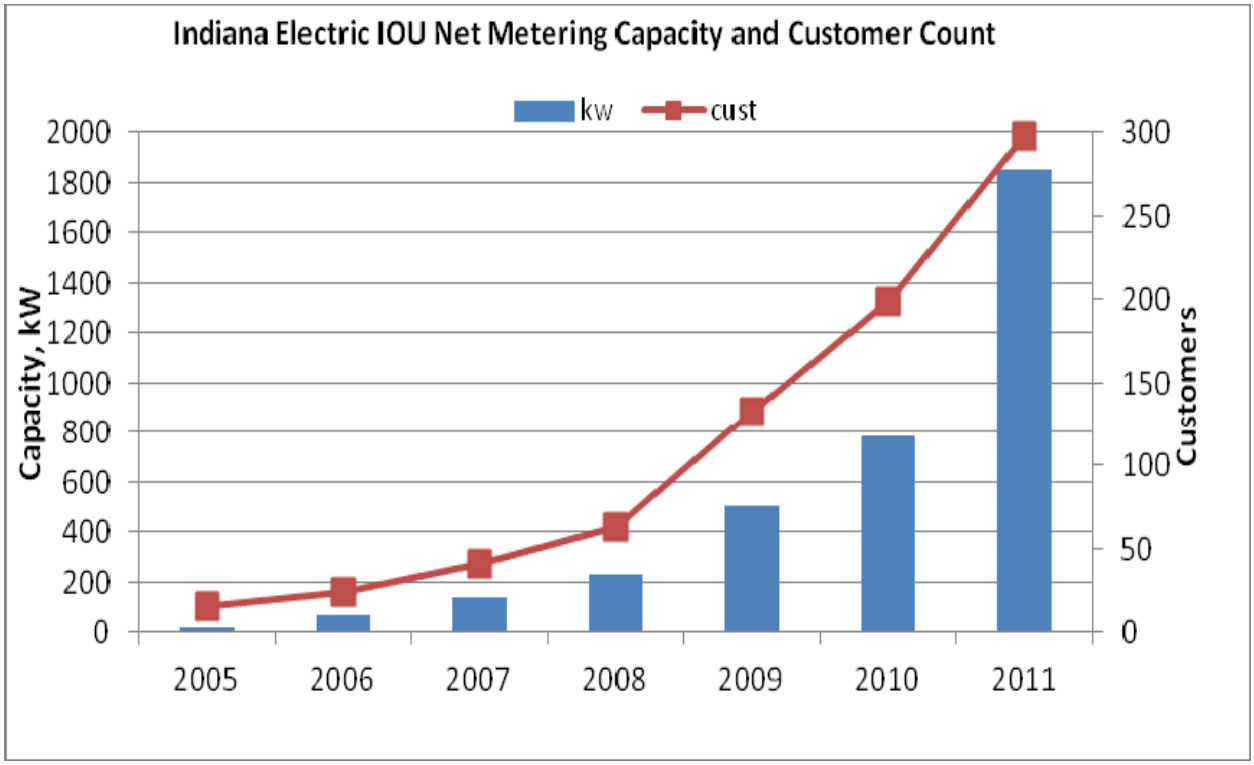
[1] The net metering rules afford the opportunity for a utility to move beyond the minimum standard offering and provide net metering to customers above that level at its discretion.

[2] Eligible net metering energy resources include wind, solar, hydro, fuel cells, hydrogen, organic waste biomass and dedicated crops powered generation [*170 IAC 4-4.2-1(d) and IC 8-1-37-4(a)(1)-(8)*].

Summary of Figures and Tables[3]

Figure 1	Number of customer participants and total capacity by year
Table 1	Present Nameplate Capacity by utility and by resource type
Table 2	Total Nameplate Capacity growth year over year
Table 3	Solar Nameplate Capacity growth year over year
Table 4	Wind Nameplate Capacity growth year over year
Table 5	Customer participant growth year over year

Figure 1. Number of customer participants and total capacity by year



[3] Values presented in the tables have been rounded to the nearest integer.

Table 1. Present Nameplate Capacity by utility and by resource type

	Total (kW)	Solar (kW)	Wind (kW)
Duke Energy Indiana	1135	729	406
Indiana Michigan Power	318	81	236
NIPSCO	227	141	86
SIGECO	135	131	4
IP&L	37	37	0
Total	**1852**	**1119**	**732**

Table 2. Total Nameplate Capacity growth year over year

	Capacity (kW)	% change from previous year	Absolute change from previous year (kW)
2005	23		
2006	66	188%	43
2007	140	111%	74
2008	233	66%	92
2009	504	117%	271
2010	783	55%	280
2011	1852	136%	1068

Table 3. Solar Nameplate Capacity growth year over year

	Capacity (kW)	% change from previous year	Absolute change from previous year (kW)
2005	23		
2006	66	188%	43
2007	121	83%	55
2008	167	38%	46
2009	307	84%	140
2010	529	72%	221
2011	1119	112%	591

Table 4. Wind Nameplate Capacity growth year over year

	Capacity (kW)	% change from previous year	Absolute change from previous year (kW)
2005	0		
2006	0		
2007	19		19
2008	65	243%	46
2009	196	202%	131
2010	255	30%	58
2011	732	187%	477

Table 5. Customer participant growth year over year

	Participating Customers	% change from previous year	Absolute change from previous year
2005	16		
2006	24	50%	8
2007	41	71%	17
2008	63	54%	22
2009	133	111%	70
2010	199	50%	66
2011	298	50%	99

Appendix A; IOU Submitted Net Metering Reports

Duke Energy Indiana, Inc.
2011 Net Metering Report

(1) The total number of eligible net metering customers and facilities.	157 – Total net metering customers (18 – schools, 110 – residential, 29 - commercial)
(2) The number, size, and type (solar, wind, hydro) of net metering facilities.	1 – 200 kW solar 1 – 50 kW solar 1 – 28.8 kW solar 1 – 18 kW solar 2 – 12 kW solar 1 – 10.6 kW solar 1 – 10 kW solar 1 – 9.6 kW solar 1 – 8.36 kW solar 2 – 8 kW solar 1 – 7.5 kW solar 1 – 7.2 kW solar 1 – 7.0 kW solar 1 – 6.8 kW solar 5 – 6 kW solar 1 – 5.7 kW solar 1 – 5.3 kW solar 1 – 5.16 kW solar 6 – 5 kW solar 1 – 4.945 kW solar 1 – 4.8 kW solar 1 – 4.6 kW solar 1 – 4.515 kW solar 1 – 4.5 kW solar 1 – 4.3 kW solar 6 – 4 kW solar 1 – 3.87 kW solar 1 – 3.8 kW solar 1 – 3.5 kW solar 2 – 3.44 kW solar 2 – 3.42 kW solar 7 – 3.3 kW solar 1 – 3.04 kW solar 13 – 3 kW solar 1 – 2.94 kW solar 4 – 2.85 kW solar 1 – 2.8 kW solar 2 – 2.7 kW solar 2 – 2.58 kW solar 1 – 2.52 kW solar 1 – 2.35 kW solar 5 – 2.15 kW solar 1 – 2.1 kW solar 7 – 2. 0 kW solar

	12 – 1.8 kW solar 1 – 1.68 kW solar 4 – 1.52 kW solar 8 – 1.14 kW solar 1 – 1.075 kW solar 1 – 1.05 kW solar 4 – 1.0 kW solar 1 – 0.95 kW solar 1 – 0.76 kW solar 1 – 0.7 kW solar 1 – 0.63 kW solar 1 – 0.38 kW solar 1 – 300 kW wind 3 – 10 kW wind 1 – 9.0 kW wind 1 – 7.2 kW wind 2 – 5.5 kW wind 1 – 3.0 kW wind 14 – 2.4 kW wind 6 – 1.8 kW wind 1 – 1.2 kW wind 0 – hydro Total solar capacity: 729.155 kW Total wind capacity: 405.8 kW
(3) The number of new eligible net metering customers interconnected during the previous calendar year.	50 – new net metering customers in 2011
(4) The number of existing eligible net metering customers that ceased participation in the net metering tariff during the previous calendar year.	0 – ceased participation
(5) If available, data on the amount of electricity generated by net metering facilities.	Not available
(6) A list of any system emergency disconnections that occurred in accordance with section 5(f) of this rule and an explanation of each system emergency	No emergency disconnections

Northern Indiana Public Service Company
2011 Net Metering Report

Report Effective Date: December 31, 2011
Report Date: February 28, 2012

Reference: 170 IAC 4-4.2-9 Tariff and Reporting Requirements
Authority: IC 8-1-1-3
Affected: IC 8-1-2

(1) The total number of net metering customers and facilities:

Residential Customers	46 Customers
Commercial Customers	3 Customers
K - 12 Schools	0 Customers

(2) The number, size, and type of net metering facilities:

Type	Size	No. of Units
Solar	0.17 kW	1
	0.64 kW	1
	1.10 kW	1
	1.30 kW	1
	1.36 kW	1
	2.23 kW	1
	2.30 kW	1
	2.50 kW	1
	3.00 kW	2
	4.00 kW	2
	5.00 kW	2
	5.20 kW	1
	5.40 kW	1
	5.76 kW	1
	5.90 kW	1
	6.00 kW	5
	7.00 kW	2
	10.00 kW	2
	19.50 kW	1
Wind	0.40 kW	1
	1.20 kW	1
	1.80 kW	1
	2.23 kW	1
	2.40 kW	8
	2.60 kW	2
	3.00 kW	2
	3.80 kW	1
	4.80 kW	1
	6.00 kW	2
	7.20 kW	1
	10.00 kW	1
	12.00 kW	1

(3) The number of new net metering customers interconnected during the previous calendar year: 15

(4) The number of existing net metering customers that ceased participation in the net metering tariff during the previous calendar year: 0

(5) If available, data on the amount of electricity generated by net metering facilities: 71,202 kWh

(6) A list of any system emergency disconnections that occurred explanation of each system emergency: None

Net Metering Report 2011

Please send to: Mr. Brad Borum
Director Electricity Division
Indiana Utility Regulatory Commission
PNC Center
101 W. Washington Street, Suite 1500 East
Indianapolis, IN 46204

Utility Name	**Indiana Michigan Power Company**
Employee Name	**Scott M. Krawec**
Phone Number	**260-408-3401**
Total Number of Eligible (participating) Net Metering Customers (12-31-11)	**-58-**
Total Number of Net Metering Facilities (12-31-11)	**-58-**
Number and Size of Solar Facilities	**1 Customer @ 1.1 kW Photovoltaic** **1 Customer @ 5.5 kW Photovoltaic** **1 Customer @ 4.4 kW Photovoltaic** **1 Customer @ 0.7 kW Photovoltaic** **1 Customer @ 0.8 kW Photovoltaic** **1 Customer @ 0.9 kW Photovoltaic** **2 Customers @ 2.0 kW Photovoltaic** **1 Customer @ 2.8 kW Photovoltaic** **2 Customer @ 2.9 kW Photovoltaic** **2 Customers @ 3.5 kW Photovoltaic** **1 Customer @ 3.7 kW Photovoltaic** **1 Customer @ 3.6 kW Photovoltaic** **1 Customer @ 4.5 kW Photovoltaic** **1 Customer @ 4.8 kW Photovoltaic** **2 Customers @ 7.0 kW Photovoltaic** **1 Customer @ 7.8 kW Photovoltaic** **1 Customer @ 10.0 kW Photovoltaic**
Number and Size of Wind Facilities	**1 Customer @ 1.8 kW Wind Turbine** **1 Customer @ 9.2 kW Wind Turbine** **1 Customer @ 1.9 kW Wind Turbine** **1 Customer @ 5.0 kW Wind Turbine**

Net Metering Report 2011

	2 Customers @ 1.2 kW Wind Turbine 4 Customers @10.0 kW Wind Turbine 8 Customers @ 2.4 kW Wind Turbine 18 Customers@ 2.6 kW Wind Turbine 1 Customer @ 110.0 kW Wind & Solar Turbine
Number and Size of Hydro Facilities	-0-
Number of New NM Interconnections in 2011	-18-
Number of Previous NM customers who left program in 2011	-0-
Data on amount of electricity generated by NM facilities (if available)	The amount of customer generation is unavailable to the Company but known to be less than that required to meet the Customer's total electric load.
A list of any system emergency disconnections that occurred, and an explanation of each	None

Net Metering Report 2011

February 6, 2012

Utility Name	**Indianapolis Power & Light Company**
Contact Name	**John Haselden** **Principal Engineer, Regulatory Affairs**
Phone Number / e-mail	**317-261-6629** **john.haselden@aes.com**
Total Number of Eligible (participating) Net Metering Customers (12-31-11)	**12**
Total Number of Net Metering Facilities (12-31-11)	**12**
Number and Size of Solar Facilities – aggregate capacity	**12 Facilities with Rated Maximum Capacity of 36.95 kW(Total)**
Number and Size of Wind Facilities – aggregate capacity	**0**
Number and Size of Hydro Facilities– aggregate capacity	**0**
Number of New NM Interconnections in 2011	**5**
Number of Previous NM customers who left program in 2011	**0**
Data on amount of electricity generated by NM facilities (if available)	**10,027 kWh net**
A list of any system emergency disconnections that occurred, and an explanation of each	**0**

IPL Net Metering Customer Applications and Installation Inventory - 2011

Customer Information Removed

Customer Name	Account Number	Type of Resource (Solar, Hydro, Wind)	Application Level	System Capacity	Application Date	Application Approved Date	Date Installed	Date Removed	System Status	Net Metered Output (kWh)
Customer #1	05-1402-7400	Solar	1	2.00	3/22/2010	3/26/2010	4/13/2010		Operational	127
Customer #2	01-0164-2040	Solar	1	1.10	12/2/2006	12/6/2006	Feb-2007		Operational	25
Customer #3	08-2708-9025	Solar	1	5.00	6/4/2009	6/5/2009	7/1/2009		Operational	3,662
Customer #4	01-0221-5012	Solar	1	2.80	6/20/2007	6/29/2007	7/17/07		Operational	334
Customer #5	04-1155-1107	Solar	1	2	2/10/2009	4/20/2009	9/1/10		Operational	1,475
Customer #6	02-0559-3360	Solar	1	0.63	12/23/2009	1/5/2010	1/21/10		Operational	9
Customer #7	19-9686-5600	Solar	1	3.99	11/1/2010	11/1/2010	12/30/10		Operational	2,290
Customer #8	01-0173-0640	Solar	1	7	7/19/2011	7/28/2011	8/24/11		Operational	1,095
Customer #9	02-0409-6840	Solar	1	4.62	10/26/2011	10/26/2011	11/30/12		Operational	4
Customer #10	08-2841-5740	Solar	1	2	6/15/2011	6/17/2011	8/18/11		Operational	262
Customer #11	07-1781-1039	Solar	1	1.935	8/5/2011	8/10/2011	9/16/11		Operational	236
Customer #12	07-1996-9650	Solar	1	3.87	8/31/2011	9/13/2011	10/21/11		Operational	508
				36.95	kW					10,027

Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana
Customer-Generator Interconnection
and
Net Metering Report
For the Year ended December 31, 2011

Please send to:

Dr. Bradley Borum
Director Electricity Division
Indiana Utility Regulatory Commission
PNC Center
Suite 1500 East
101 West Washington Street
Indianapolis, IN 46204

The following items are reported as required by 170 IAC 4-4.3-11(b):

(1) The number, size, and type of customer-generator facilities detailed in all applications received during the previous calendar year, and the resolution (granted, denied, withdrawn, etc.) of said applications. The report shall include the application procedure (Level 1, 2, or 3) for all applications, and the reason(s) for any denied applications(s):

Number	Size (kW)	Type	Resolution	Application Level	Reason for Denial
3	3.0	Solar	Connected and in service	1	N/A
1	4.0	Solar	Connected and in service	1	N/A
1	5.0	Solar	Connected and in service	1	N/A
1	18.9	Solar	Connected and in service	2	N/A
1	20.9	Solar	Connected and in service	2	N/A

(2) The number, size, and type of customer generator facilities interconnected pursuant to Rule 4.3 as of December 31, 2011:

Type	Number	Size (kW)
Wind	1	1.8
Wind	1	2.4
Total Wind	2	4.2
Solar	1	2.8
Solar	3	3.0
Solar	1	3.4
Solar	3	4.0
Solar	5	5.0
Solar	1	5.1
Solar	1	6.0
Solar	1	7.5
Solar	2	10.0
Solar	1	18.9
Solar	1	20.9
Total Solar	20	130.6
Combined Total	22	134.8

The following items are reported as required by 170 IAC 4-4.2-9(c):

Utility Name	Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc.
Employee Name	Katie Tieken
Phone Number	(812) 491-4216
Total Number of Eligible (participating) Net Metering Customers (12-31-11)	22
Total Number of Net Metering Facilities (12-31-11)	22
Number and Size of Solar Facilities	20 – 130.6 kW total
Number and Size of Wind Facilities	2 – 4.2 kW total
Number and Size of Hydro Facilities	None
Number of New NM Interconnections in 2011	7
Number of Previous NM customers who left program in 2011	None
Data on amount of electricity generated by NM facilities (if available)	9,022 kWh (1)
A list of any system emergency disconnections that occurred, and an explanation of each	None

(1) Comprised of 3 customers with separately metered facilities