

2017 Net Metering Required Reporting Summary

Indiana's net metering rules became effective in March 2005 and established a minimum standard for the net metering offering required of utilities. It also set out the participation requirements for eligible customers and utilities.

At the direction of the Indiana General Assembly, the Commission revised its rules in 2011 and raised the minimum standard offering by expanding the eligibility to more facilities and to all customer classes. At a minimum, 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 resource¹ on their premises with a nameplate capacity² of less than or equal to 1 MW. This capacity must be used primarily to offset all or part of the customer's annual electricity requirements.

Senate Enrolled Act 309 of 2017 directed the Commission to revise its rules to increase the availability of net metering to an aggregate amount of nameplate capacity of 1.5% of a utility's summer peak load^{3 4}. Further, of this amount of available capacity 40% is to be reserved for residential customers and 15% for organic waste biomass facilities⁵. After these capacity reservations, an amount equivalent to 0.68% of summer peak load is available for non-biomass commercial, industrial, and school customers⁶.

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).

¹ 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)].

² Nameplate capacity is the full-load continuous rating of a generator as designated by the manufacturer.

³ IC 8-1-40-10 and IC 8-1-40-12(a)(1).

⁴ The previous Commission rules required availability to an aggregate amount of nameplate capacity of 1% of a utility's summer peak load.

⁵ IC 8-1-40-12(a)(2).

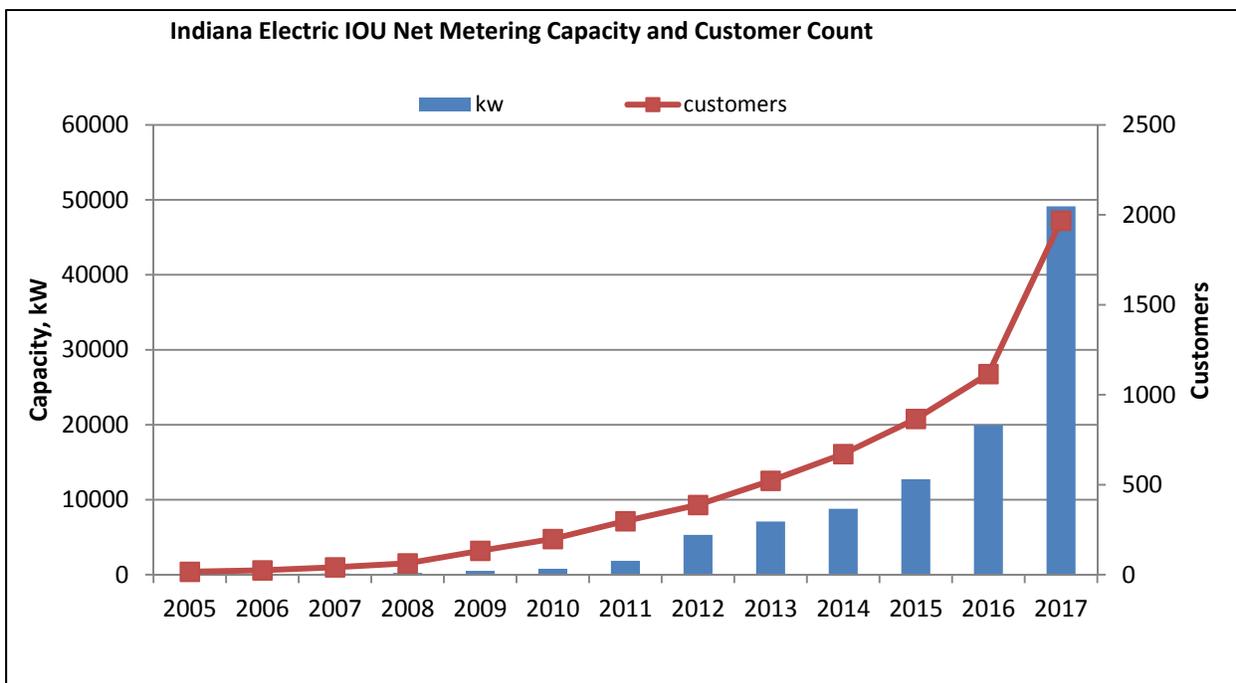
⁶ In this report we refer to this available capacity as the Non-reserved Nameplate Capacity.

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

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Figure 1. Number of customers and total capacity by year



⁷ Values compiled and presented in the tables may have been rounded to the nearest integer and may not sum directly.

Table 1. Nameplate Capacity by utility and by resource type, 2017

	Total (kW)	Solar (kW)	Wind (kW)⁸	Biomass (kW)
Duke Energy Indiana	17,878	15,659	2,220	0
NIPSCO	10,689	8,641	2,048	0
I&M	10,405	9,909	256	240
Vectren	7,799	7,782	16	0
IPL	2,369	2,319	50	0
Total	49,140	44,310	4,590	240

Table 2. Nameplate Capacity by utility and by resource type, 2017 change from 2016

	Total (kW)	Solar (kW)	Wind (kW)⁹	Biomass (kW)
I&M	8,510	8,161	109	240
Duke Energy Indiana	8,408	8,398	10	0
NIPSCO	5,805	5,810	-5	0
Vectren	5,732	5,732	0	0
IPL	733	733	0	0
Total	29,188	28,834	114	240

⁸ Customers and capacity identified as dual (i.e. composed of both solar and wind) are grouped with the wind resources.

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Table 3. Nameplate Capacity relative to 1.5% peak load by utility, 2017

	2016 Summer Peak Load (kW)	2017 Net Metering Capacity (kW)	Percent of peak load	Remaining Net Metering Capacity under 1.5% cap (kW)
Vectren	1,097,700	7,799	0.71%	8,667
NIPSCO	3,142,160	10,689	0.34%	36,444
Duke Energy Indiana	5,492,000	17,878	0.33%	64,502
I&M	3,659,700	10,405	0.28%	44,491
IPL	2,716,000	2,369	0.09%	38,371
Total	16,107,560	49,140	0.31%	192,474

Table 4. Non-reserved Nameplate Capacity relative to 0.68% peak load by utility, 2017

	2016 Summer Peak Load (kW)	2017 Non-reserved Net Metering Capacity (kW)	Percent of peak load	Remaining Non-reserved Net Metering Capacity under 0.68% cap (kW)
Vectren	1,097,700	4,209	0.38%	3,256
NIPSCO	3,142,160	9,261	0.29%	12,106
Duke Energy Indiana	5,492,000	12,868	0.23%	24,478
I&M	3,659,700	8,519	0.23%	16,367
IPL	2,716,000	1,442	0.05%	17,027
Total	16,107,560	36,298	0.23%	73,233

Table 5. Customer and Nameplate Capacity by customer class, 2017

	Duke Energy Indiana	I&M	IPL	NIPSCO	Vectren	Total
Residential Customers	705	208	155	195	345	1608
Residential kW	5,011	1,646	927	1,428	3,590	12,602
Commercial Customers	98	58	17	57	49	279
Commercial kW	4,532	2,590	442	4,461	3,104	15,129
Industrial Customers	8	3	1	0	0	12
Industrial kW	304	1,176	1,000	0	0	2,479
School Customers	30	16	0	18	5	69
School kW	8,032	4,993	0	4,800	1,104	18,930

Table 6. Customer and Nameplate Capacity by customer class, 2017 change from 2016

	Duke Energy Indiana	I&M	IPL	NIPSCO	Vectren	Total
Residential Customers	293	95	67	90	169	714
Residential kW	2,420	964	443	768	2,019	6,614
Commercial Customers	34	15	4	23	30	106
Commercial kW	2,491	1,547	290	2,191	2,621	9,140
Industrial Customers	2	2	0	0	0	4
Industrial kW	96	1,159	0	0	0	1,255
School Customers	5	9	0	11	3	28
School kW	3,401	4,840	0	2,845	1,092	12,179

Table 7. 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	1,119	112%	591
2012	1,789	60%	670
2013	2,657	49%	868
2014	4,346	64%	1,689
2015	8,123	87%	3,777
2016	15,476	91%	7,353
2017	44,310	186%	28,834

Table 8. 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
2012	3,509	379%	2,777
2013	4,431	26%	922
2014	4,446	0%	15
2015	4,620	4%	174
2016	4,476	-3%	-144
2017	4,590	3%	114

Table 9. 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	1,852	136%	1,068
2012	5,297	186%	3,445
2013	7,087	34%	1,790
2014	8,791	24%	1,704
2015	12,742	45%	3,951
2016	19,952	57%	7,210
2017	49,140	146%	29,188

Table 10. Customer 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
2012	388	30%	90
2013	522	35%	134
2014	671	29%	149
2015	866	29%	195
2016	1,116	29%	250
2017	1,968	76%	852

Appendix A; IOU Submitted Net Metering Summary Reports

Indiana Utility Regulatory Commission – Net Metering Report Summary

Utility Name:	Duke Energy Indiana, LLC
Contact Name:	Kelley A. Karn
Phone Number:	317-838-2461
Email:	Kelley.karn@duke-energy.com
Calendar Year:	2017
2016 Summer Peak Load:	5492 MW
Total Number of Eligible (i.e., participating on 12/31 of reporting year) Net Metering Customers:	841
Total Number of Eligible (i.e., participating on 12/31 of reporting year) Net Metering Facilities:	918
Number and Size of Solar Facilities – aggregate capacity:	886 facilities @ 15.69 MW
Number and Size of Wind Facilities – aggregate capacity:	32 facilities @ 2.21 MW
Number and Size of Organic Waste Biomass Facilities – aggregate capacity:	0
Number and Size of Other Qualifying Facilities – aggregate capacity:	0
Number of New Net Metering Customer Interconnections:	381
Number of Previous Net Metering Customers (who left the program in the calendar year):	0
Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available):	N/A
List Any System Emergency Disconnections that occurred, and an explanation of each:	none

Total Number of Eligible Net Metering Customers by Customer Class:			
	Number of Customers:	kW	Customer Class
	705	5010.749	Residential
	98	4531.849	Commercial
	8	303.52	Industrial
	30	8032.18	Schools
Total	841	17878.298	

Indiana Utility Regulatory Commission – Net Metering Report Summary

Utility Name:	Indiana Michigan Power Company
Contact Name:	Andrew Williamson
Phone Number:	260-408-3401
Email:	ajwilliamson@aep.com
Calendar Year:	2017
2016 Summer Peak Load:	3,659.7 MW
Total Number of Eligible (i.e., participating on 12/31 of reporting year) Net Metering Customers:	285
Total Number of Eligible (i.e., participating on 12/31 of reporting year) Net Metering Facilities:	285
Number and Size of Solar Facilities – aggregate capacity:	246 facilities at 9,909.4 kW
Number and Size of Wind Facilities – aggregate capacity:	38 facilities at 255.8 kW
Number and Size of Organic Waste Biomass Facilities – aggregate capacity:	1 facility at 240 kW
Number and Size of Other Qualifying Facilities – aggregate capacity:	-0-
Number of New Net Metering Customer Interconnections:	126
Number of Previous Net Metering Customers (who left the program in the calendar year):	6
Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available):	1039.87 MWh
List Any System Emergency Disconnections that occurred, and an explanation of each:	-0-

Total Number of Eligible Net Metering Customers by Customer Class:			
	Number of Customers:	kW	Customer Class
	208	1,646.3	Residential
	58	2590	Commercial
	3	1,175.5	Industrial
	16	4993.4	Schools
Total	285	10,405.2	

Indiana Utility Regulatory Commission – Net Metering Report Summary

Utility Name:	Indianapolis Power & Light Company
Contact Name:	Lester H. Allen, P.E.
Phone Number:	(317) 261-8972
Email:	jake.allen@aes.com
Calendar Year:	2017
2016 Summer Peak Load:	2,716 MW
Total Number of Eligible (i.e., participating on 12/31 of reporting year) Net Metering Customers:	171
Total Number of Eligible (i.e., participating on 12/31 of reporting year) Net Metering Facilities:	173 (Two customers have net metering facilities at two different locations)
Number and Size of Solar Facilities – aggregate capacity:	172 – 2,319 kW
Number and Size of Wind Facilities – aggregate capacity:	1- 50 kW
Number and Size of Organic Waste Biomass Facilities – aggregate capacity:	0
Number and Size of Other Qualifying Facilities – aggregate capacity:	0
Number of New Net Metering Customer Interconnections:	74
Number of Previous Net Metering Customers (who left the program in the calendar year):	3
Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available):	322,363 kWh
List Any System Emergency Disconnections that occurred, and an explanation of each:	None

Total Number of Eligible Net Metering Customers by Customer Class:			
	Number of Customers:	kW	Customer Class
	155	926.6 kW	Residential
	17	442 kW	Commercial
	1	1,000 kW	Industrial
	0	0	Schools
Total	173		

Indiana Utility Regulatory Commission – Net Metering Report Summary

Utility Name:	Northern Indiana Public Service Company
Contact Name:	Timothy R. Caister
Phone Number:	317.684.4908
Email:	tcaister@nisource.com
Calendar Year:	2017
2016 Summer Peak Load:	3142.16 MW
Total Number of Eligible (i.e., participating on 12/31 of reporting year) Net Metering Customers:	270
Total Number of Eligible (i.e., participating on 12/31 of reporting year) Net Metering Facilities:	277
Number and Size of Solar Facilities – aggregate capacity:	239 facilities – 8640.9 kW
Number and Size of Wind Facilities – aggregate capacity:	29 facilities – 1915.7 kW
Number and Size of Organic Waste Biomass Facilities – aggregate capacity:	0
Number and Size of Other Qualifying Facilities – aggregate capacity:	9 solar/wind facilities – 132.28 kW
Number of New Net Metering Customer Interconnections:	126
Number of Previous Net Metering Customers (who left the program in the calendar year):	0
Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available):	3,667,721 kWh (Net)
List Any System Emergency Disconnections that occurred, and an explanation of each:	None

Total Number of Eligible Net Metering Customers by Customer Class:			
	Number of Customers:	kW	Customer Class
	195	1427.81	Residential
	57	4460.685	Commercial
	0	0	Industrial
	18	4800.38	Schools
Total	270	10688.875	

Indiana Utility Regulatory Commission – Net Metering Report Summary

Utility Name:	Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc.
Contact Name:	Vickie McClatchy
Phone Number:	812-491-4299
Email:	vlmclatchy@vectren.com
Calendar Year:	2017
2017 Summer Peak Load ¹:	1040.3 MW
Total Number of Eligible (i.e., participating on 12/31 of reporting year) Net Metering Customers:	399
Total Number of Eligible (i.e., participating on 12/31 of reporting year) Net Metering Facilities:	399
Number and Size of Solar Facilities – aggregate capacity:	396 – 7782.475 kW total
Number and Size of Wind Facilities – aggregate capacity:	3 – 16.2 kW total
Number and Size of Organic Waste Biomass Facilities – aggregate capacity:	0
Number and Size of Other Qualifying Facilities – aggregate capacity:	0
Number of New Net Metering Customer Interconnections:	212
Number of Previous Net Metering Customers (who left the program in the calendar year):	0
Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available):	Not Available
List Any System Emergency Disconnections that occurred, and an explanation of each:	None

Total Number of Eligible Net Metering Customers by Customer Class:			
	Number of Customers:	kW	Customer Class
	345	3590.065	Residential
	49	3104.21	Commercial
	0	0	Industrial
	5	1104.4	Schools
Total	399	7798.675	

¹ 2016 Summer Peak Load was 1097.7 MW