

2018 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 0.675% 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).

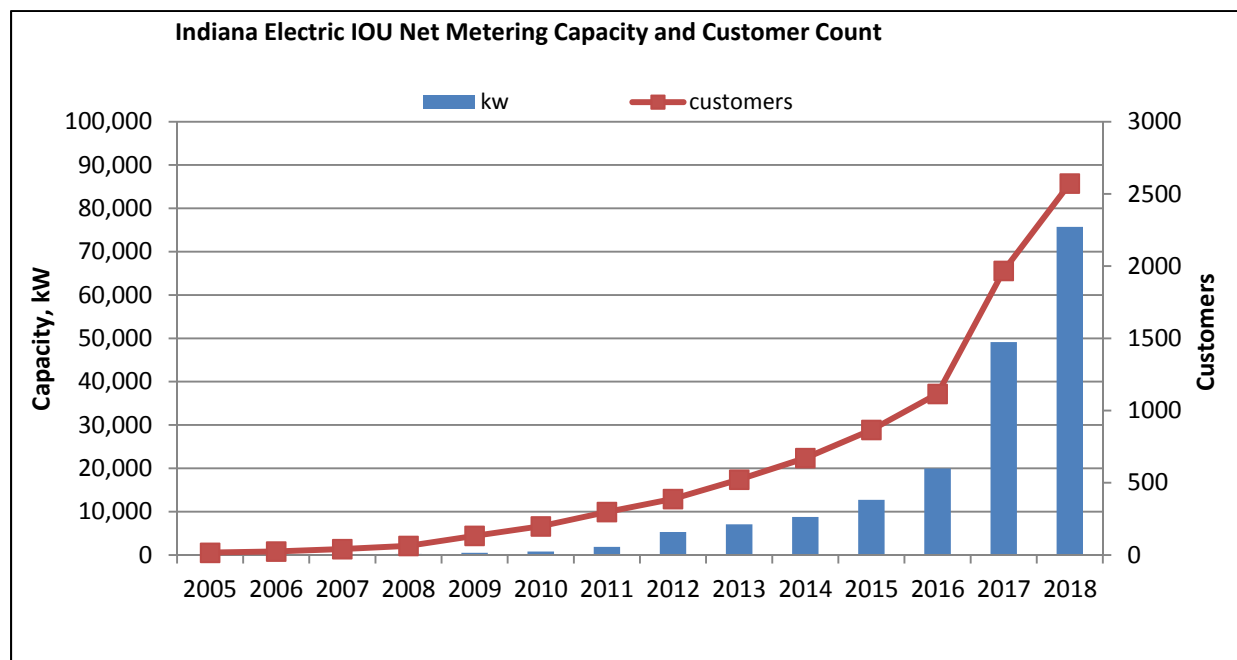
⁶ In this report we refer to this available capacity as the Non-reserved Nameplate Capacity.

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, 2018

	Total (kW)	Solar (kW)	Wind (kW)⁸	Biomass (kW)
Duke Energy Indiana	32,672	30,457	2,215	0
NIPSCO	19,743	17,720	2,024	0
I&M	11,212	10,820	152	240
Vectren	8,316	8,300	16	0
IPL	3,772	3,722	50	0
Total	75,716	71,018	4,457	240

Table 2. Nameplate Capacity by utility and by resource type, 2018 change from 2017

	Total (kW)	Solar (kW)	Wind (kW)⁹	Biomass (kW)
Duke Energy Indiana	14,794	14,798	-5	0
NIPSCO	9,054	9,079	-24	0
IPL	1,403	1,403	0	0
I&M	807	911	-104	0
Vectren	518	518	0	0
Total	26,576	26,708	-133	0

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

⁹ Customers and capacity identified as dual (i.e. composed of both solar and wind) are grouped with the wind resources.

Table 3. Nameplate Capacity relative to available 1.5% peak load by utility, 2018

	2017 Summer Peak Load (kW)	2018 Net Metering Capacity (kW)	Percent of available Total Net Metering Capacity Consumed	Remaining Net Metering Capacity under 1.5% threshold (kW)
Vectren	1,040,300	8,316	53%	7,288
NIPSCO	3,085,490	19,743	43%	26,539
Duke Energy Indiana	5,176,000	32,671	42%	44,969
I&M	3,629,000	11,212	21%	43,223
IPL	2,583,000	3,772	10%	34,973
Total	15,513,790	75,715	33%	156,991

Table 4. Non-reserved Nameplate Capacity relative to the available 0.675% of peak load by utility, 2018

	2017 Summer Peak Load (kW)	2018 Non-reserved Net Metering Capacity (kW)	Percent of available Non-reserved Net Metering Capacity Consumed	Remaining Non-reserved Net Metering Capacity under 0.675% of peak load (kW)
NIPSCO	3,085,490	17,455	84%	3,372
Duke Energy Indiana	5,176,000	25,667	73%	9,271
Vectren	1,040,300	4,284	61%	2,738
I&M	3,629,000	8,540	35%	15,956
IPL	2,583,000	2,695	15%	14,741
Total	15,513,790	58,641	56%	46,073

Table 5. Customer and Nameplate Capacity by customer class, 2018

	Duke Energy Indiana	I&M	IPL	NIPSCO	Vectren	Total
Residential Customers	950	287	173	270	385	2065
Residential kW	7,005	2,432	1,078	2,289	4,032	16,835
Commercial Customers	177	64	20	84	54	399
Commercial kW	11,901	2,653	735	6,474	3,180	24,943
Industrial Customers	10	4	1	0	0	15
Industrial kW	324	1,235	1,000	0	0	2,559
School Customers	48	16	1	26	5	96
School kW	13,441	4,892	960	10,981	1,104	31,379

Table 6. Customer and Nameplate Capacity by customer class, 2018 change from 2017

	Duke Energy Indiana	I&M	IPL	NIPSCO	Vectren	Total
Residential Customers	245	79	18	75	40	457
Residential kW	1,994	786	151	861	442	4,233
Commercial Customers	79	6	3	27	5	120
Commercial kW	7,370	63	293	2013	76	9,814
Industrial Customers	2	1	0	0	0	3
Industrial kW	21	60	0	0	0	80
School Customers	18	0	1	8	0	27
School kW	5,409	-101	960	6180	0	12,448

Table 7. Solar Nameplate Capacity growth year over year

	Capacity (kW)	% change from previous year	Absolute change from previous year (kW)
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
2018	71,018	60%	26,708

Table 8. Wind Nameplate Capacity growth year over year

	Capacity (kW)	% change from previous year	Absolute change from previous year (kW)
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
2018	4,556	-1%	-34

Table 9. Total Nameplate Capacity growth year over year

	Capacity (kW)	% change from previous year	Absolute change from previous year (kW)
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
2018	75,715	54%	26,575

Table 10. Customer growth year over year

	Participating Customers	% change from previous year	Absolute change from previous year
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
2018	2,573	31%	605

Appendix A; IOU Submitted Net Metering Summary Reports

2018 Net Metering Report Summary	
Utility Contact Information	
Utility	Duke Energy Indiana LLC
Name	Kelley Karn
Title	Deputy General Counsel
Phone Number	317-838-2461
Email Address	Kelley.Karn@duke-energy.com

Net Metering Customer Information		
Customer Class	Number of Customers	Nameplate Capacity (kW)
Residential	950 (1003 installations)	7004.537
Commercial	177 (186 installations)	11901.49
Industrial	10 (10 installations)	324.32
Schools	48 (49 installations)	13441.48
Total	1185 (1248 installations)	32671.486
New Interconnections	346	
Former Customers	24 (1 ceased participation entirely and 23 were transfers of ownership)	

Net Metering Facility Information			
Generation Technology	Number	Nameplate Capacity	Electricity Generated (Net)
Solar	1213	30456.846	N/A
Wind	35	2214.64	N/A
Organic Waste Biomass	0	0	N/A
Other Qualified Net Metering Facilities	0	0	N/A
Total	1248	32671.486	N/A

2018 Net Metering Indiana Statutory Threshold Calculation (in kW)			
	2017	Installed	% of Category Threshold
Summer Peak	5176 MW		
Capacity Threshold (1.5% of Summer Peak)	77.64 MW		
Residential (40%)	31.056 MW	7.004537 MW	9.02181%
Biomass (15%)	0	0	0
All Other (45%)	34.938 MW	25.666949 MW	73.46428%
Total Installed as of December 31, 2018		32.671486 MW	
Total Installed of 1.5% Threshold		42.8074%	

2018 Net Metering Report Summary

Utility Contact Information

Utility	Indiana Michigan Power Company
Name	Tanner Guthrie
Title	Regulatory Consultant
Phone Number	260-408-3686
Email Address	tlguthrie@aep.com

Net Metering Customer Information

Customer Class	Number of Customers	Nameplate Capacity (kW)
Residential	287	2,432
Commercial	64	2,653
Industrial	4	1,235
Schools	16	4,892
Total	371	11,212
New Interconnections	86	
Former Customers	None	

Net Metering Facility Information

Generation Technology	Number	Nameplate Capacity	Electricity Generated (Net)
Solar	333	10,820	N/A
Wind	37	152	N/A
Organic Waste Biomass	1	240	N/A
Other Qualified Net Metering Facilities	N/A	N/A	N/A
Total	371	11,212	N/A

2018 Net Metering Indiana Statutory Threshold Calculation (in kW)

	2018	Installed	% of Category Threshold
Summer Peak	3,629,000 kW		
Capacity Threshold (1.5% of Summer Peak)	54,435 kW		
Residential (40%)	21,774 kW	2,432 kW	11%
Biomass (15%)	8,165 kW	240 kW	3%
All Other (45%)	24,496 kW	8,540 kW	35%
Total Installed as of December 31, 2018		11,212 kW	
Total Installed of 1.5% Threshold		21%	

2018 Net Metering Report Summary

Utility Contact Information	
Utility	Indianapolis Power & Light Company
Name	Jake Allen
Title	DSM Program Development Manager
Phone Number	317-261-8972
Email Address	jake.allen@aes.com

Net Metering Customer Information		
Customer Class	Number of Customers	Nameplate Capacity (kW)
Residential	171 (173 Installations)	1,077.8
Commercial	20	734.6
Industrial	1	1,000.0
Schools	1	960.0
Total	193 (195 Installations)	3,772.4
New Interconnections	22	
Former Customers	0	

Net Metering Facility Information			
Generation Technology	Number	Nameplate Capacity	Electricity Generated (Net)
Solar	194	3,722.4 kW	880.9 MWh
Wind	1	50.0 kW	2.2 MWh
Organic Waste Biomass	0	0	0
Other Qualified Net Metering Facilities	0	0	0
Total	195	3,772.5	883.1 MWh

2018 Net Metering Indiana Statutory Threshold Calculation (in kW)			
	2017	Installed	% of Category Threshold
Summer Peak	2,583,000 kW		
Capacity Threshold (1.5% of Summer Peak)	38,745 kW		
Residential (40%)	15,498 kW	1,077.8 kW	7.0%
Biomass (15%)	5,812 kW	0	0
All Other (45%)	17,435 kW	2,694.6 kW	15.5%
Total Installed as of December 31, 2018		3,772.4 kW	
Total Installed of 1.5% Threshold		9.7%	

2018 Net Metering Report Summary

Utility Contact Information

Utility	Northern Indiana Public Service Company
Name	Alison Becker
Title	Manager, Regulatory Policy
Phone Number	317.684.4910
Email Address	abecker@nisource.com

Net Metering Customer Information

Customer Class	Number of Customers	Nameplate Capacity (kW)
Residential	270	2,288.59
Commercial	84	6,473.985
Industrial	0	0
Schools	26	10,980.78
Total	380	19,743.355
New Interconnections	115 Customers for 119 facilities	
Former Customers	0	

Net Metering Facility Information

Generation Technology	Number	Nameplate Capacity (kW)	Electricity Generated (Net)
Solar	357	17,719.645	7,735,309 kW
Wind	29	1,905.46	1,160,565 kW
Organic Waste Biomass	0	0	0 kW
Other Qualified Net Metering Facilities	5	118.25	4,346 kW
Total	391	19,743.36	8,900,220 kW

2018 Net Metering Indiana Statutory Threshold Calculation (in kW)

	2017	Installed	% of Category Threshold
Summer Peak	3,085,490		
Capacity Threshold (1.5% of Summer Peak)	46,282.35		
Residential (40%)	18,512.94	2,288.59	12.36
Biomass (15%)	6,942.353	0	0
All Other (45%)	20,827.06	17,454.77	83.19
Total Installed as of December 31, 2018		19,743.355	
Total Installed of 1.5% Threshold		42.38 %	

2018 Net Metering Report Summary

Utility Contact Information

Utility	Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc.
Name	Vickie McClatchy
Title	Analyst, Rates
Phone Number	(812) 491-4299
Email Address	Vickie.McClatchy@centerpointenergy.com

Net Metering Customer Information

Customer Class	Number of Customers	Nameplate Capacity (kW)
Residential	385	4,031.785
Commercial	54	3,180.000
Industrial	0	0
Schools	5	1,104.400
Total	444	8,316.185
New Interconnections	44	
Former Customers	0	

Net Metering Facility Information

Generation Technology	Number	Nameplate Capacity	Electricity Generated (Net)
Solar	441	8,299.985	Not Available
Wind	3	16.2	Not Available
Organic Waste Biomass	0	0	Not Available
Other Qualified Net Metering Facilities	0	0	Not Available
Total	444	8,316.185	Not Available

**2018 Net Metering
Indiana Statutory Threshold Calculation (in kW)**

	2017	Installed	% of Category Threshold
Summer Peak	1,040,300		
Capacity Threshold (1.5% of Summer Peak)	15,604.500		
Residential (40%)	6,241.800	4,031.785	64.59%
Biomass (15%)	2,340.675	0	0.00%
All Other (45%)	7,022.025	4,284.400	61.01%
Total Installed as of December 31, 2018		8,316.185	
Total Installed of 1.5% Threshold		53.29%	