

## **2019 Year-End (2019YE) Net Metering 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 resource<sup>1</sup> on their premises with a nameplate capacity<sup>2</sup> 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<sup>3 4</sup>. Further, of this amount of available capacity 40% is to be reserved for residential customers and 15% for organic waste biomass facilities<sup>5</sup>. After these capacity reservations, an amount equivalent to 0.675% of summer peak load is available for non-biomass commercial, industrial, and school customers<sup>6</sup>.

In light of increasing net metering participation the Commission held an Informational Collaborative meeting with stakeholders which led to the approval of General Administrative Order 2019-2<sup>7</sup>. One directive from that Order called for investor-owned utilities (IOUs) to provide quarterly updates on their net metering participation<sup>8</sup>.

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) to reflect participation as of December 31, 2019.

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<sup>1</sup> 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)].

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

<sup>3</sup> IC 8-1-40-10 and IC 8-1-40-12(a)(1).

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

<sup>5</sup> IC 8-1-40-12(a)(2).

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

<sup>7</sup> The Informational Collaborative Meeting was held on April 10, 2019, and GAO 2019-2 was adopted on August 29, 2019.

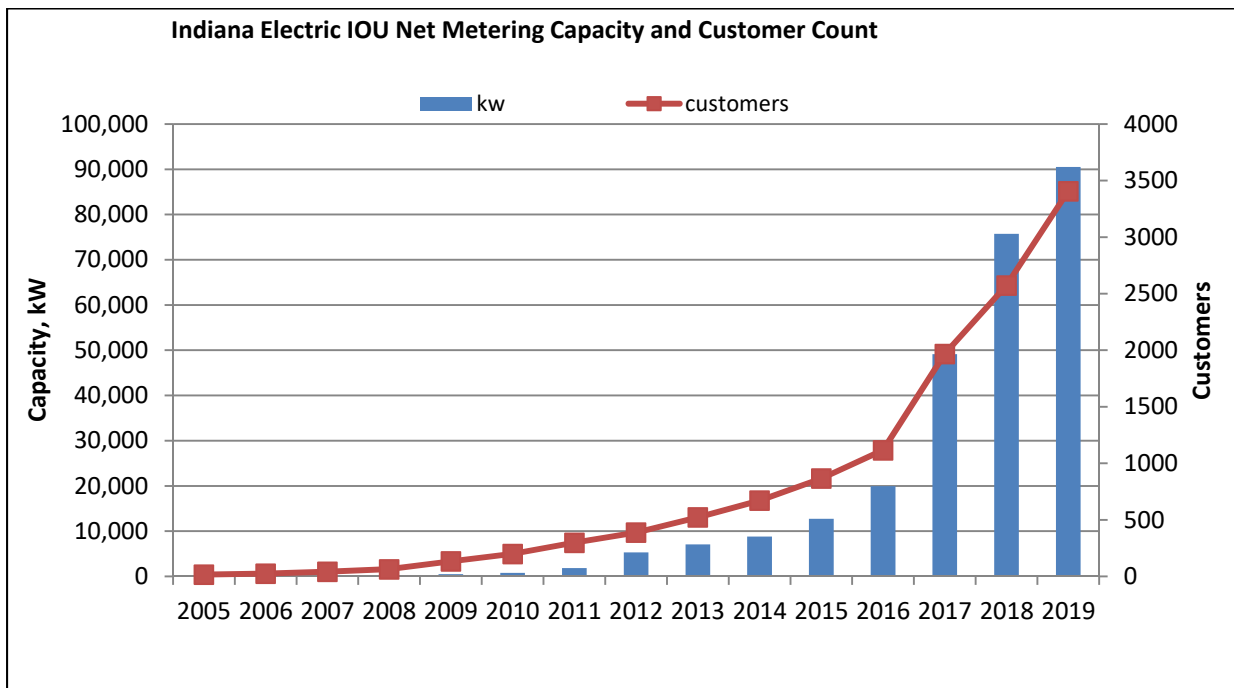
<sup>8</sup> The Quarterly Reporting Summaries are available at <https://www.in.gov/iurc/2990.htm>.

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

Summary of Figures and Tables<sup>9</sup>

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**Figure 1. Number of customers and total capacity by year**



<sup>9</sup> 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, 2019YE**

	<b>Total (kW)</b>	<b>Solar (kW)</b>	<b>Wind (kW)<sup>10</sup></b>	<b>Biomass (kW)</b>
<b>Duke Energy Indiana</b>	39,295	34,947	4,349	0
<b>NIPSCO</b>	23,200	21,002	2,197	0
<b>I&amp;M</b>	13,809	13,412	157	240
<b>Vectren</b>	10,700	10,684	16	0
<b>IPL</b>	3,515	3,465	50	0
<b>Total</b>	<b>90,519</b>	<b>83,509</b>	<b>6,770</b>	<b>240</b>

**Table 2. Nameplate Capacity by utility and by resource type, 2019YE change from 2018YE**

	<b>Total (kW)</b>	<b>Solar (kW)</b>	<b>Wind (kW)<sup>11</sup></b>	<b>Biomass (kW)</b>
<b>Duke Energy Indiana</b>	6,623	4,490	2,134	0
<b>NIPSCO</b>	3,457	3,282	174	0
<b>I&amp;M</b>	2,597	2,592	5	0
<b>Vectren</b>	2,384	2,384	0	0
<b>IPL</b>	(257)	(257)	0	0
<b>Total</b>	<b>14,803</b>	<b>12,491</b>	<b>2,313</b>	<b>0</b>

<sup>10</sup> Customers and capacity identified as dual (i.e. composed of both solar and wind) are grouped with the wind resources.

<sup>11</sup> 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 1.5% of peak load by utility, 2019YE**

	Summer Peak Load (kW)	2019YE Net Metering Capacity (kW)	Percent of available Total Net Metering Capacity Consumed	Remaining Net Metering Capacity under 1.5% threshold (kW)
<b>Vectren</b>	1,054,400	10,700	68%	5,116
<b>NIPSCO</b>	3,133,260	23,200	49%	23,799
<b>Duke Energy Indiana</b>	5,390,000	39,295	49%	41,555
<b>I&amp;M</b>	3,465,000	13,809	27%	38,166
<b>IPL</b>	2,715,000	3,515	9%	37,210
<b>Total</b>	<b>15,757,660</b>	<b>90,519</b>	<b>38%</b>	<b>145,846</b>

**Table 4. Non-reserved Nameplate Capacity relative to the available 0.675% of peak load by utility, 2019YE**

	Summer Peak Load (kW)	2019YE 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)
<b>NIPSCO</b>	3,133,260	19,786	94%	1,364
<b>Duke Energy Indiana</b>	5,390,000	30,738	84%	5,645
<b>Vectren</b>	1,054,400	5,590	79%	1,527
<b>I&amp;M</b>	3,465,000	9,277	40%	14,112
<b>IPL</b>	2,715,000	1,868	10%	16,458
<b>Total</b>	<b>15,757,660</b>	<b>67,259</b>	<b>63%</b>	<b>39,106</b>

**Table 5. Customer and Nameplate Capacity by customer class, 2019YE**

	<b>Duke Energy Indiana</b>	<b>I&amp;M</b>	<b>IPL</b>	<b>NIPSCO</b>	<b>Vectren</b>	<b>Total</b>
<b>Residential Customers</b>	1,222	467	252	394	487	<b>2,822</b>
<b>Residential kW</b>	8,557	4,293	1,647	3,414	5,110	<b>23,020</b>
<b>Commercial Customers</b>	198	74	28	110	66	<b>476</b>
<b>Commercial kW</b>	17,905	3,389	868	7,779	4,486	<b>34,427</b>
<b>Industrial Customers</b>	8	4	1	0	0	<b>13</b>
<b>Industrial kW</b>	376	1,236	1,000	0	0	<b>2,611</b>
<b>School Customers</b>	47	16	0	28	5	<b>96</b>
<b>School kW</b>	12,457	4,892	0	12,007	1,104	<b>30,460</b>

**Table 6. Customer and Nameplate Capacity by customer class, 2019YE change from 2018YE**

	<b>Duke Energy Indiana</b>	<b>I&amp;M</b>	<b>IPL</b>	<b>NIPSCO</b>	<b>Vectren</b>	<b>Total</b>
<b>Residential Customers</b>	272	180	79	124	102	<b>757</b>
<b>Residential kW</b>	1,553	1,861	569	1,125	1,078	<b>6,186</b>
<b>Commercial Customers</b>	21	10	8	26	12	<b>77</b>
<b>Commercial kW</b>	6,004	736	134	1,305	1,305	<b>9,484</b>
<b>Industrial Customers</b>	(2)	0	0	0	0	<b>(2)</b>
<b>Industrial kW</b>	51	1	0	0	0	<b>52</b>
<b>School Customers</b>	(1)	0	(1)	2	0	<b>0</b>
<b>School kW</b>	(985)	0	(960)	1,026	0	<b>(919)</b>

**Table 7. Solar Nameplate Capacity growth year over year**

	<b>Capacity (kW)</b>	<b>% change from previous year</b>	<b>Absolute change from previous year (kW)</b>
<b>2009</b>	307	84%	140
<b>2010</b>	529	72%	221
<b>2011</b>	1,119	112%	591
<b>2012</b>	1,789	60%	670
<b>2013</b>	2,657	49%	868
<b>2014</b>	4,346	64%	1,689
<b>2015</b>	8,123	87%	3,777
<b>2016</b>	15,476	91%	7,353
<b>2017</b>	44,310	186%	28,834
<b>2018</b>	71,018	60%	26,708
<b>2019</b>	83,509	18%	12,491

**Table 8. Wind Nameplate Capacity growth year over year**

	<b>Capacity (kW)</b>	<b>% change from previous year</b>	<b>Absolute change from previous year (kW)</b>
<b>2009</b>	196	202%	131
<b>2010</b>	255	30%	58
<b>2011</b>	732	187%	477
<b>2012</b>	3,509	379%	2,777
<b>2013</b>	4,431	26%	922
<b>2014</b>	4,446	0%	15
<b>2015</b>	4,620	4%	174
<b>2016</b>	4,476	(3)%	(144)
<b>2017</b>	4,590	3%	114
<b>2018</b>	4,556	(1)%	(34)
<b>2019</b>	6,770	49%	2,214

**Table 9. Total Nameplate Capacity growth year over year**

	Capacity (kW)	% change from previous year	Absolute change from previous year (kW)
<b>2009</b>	504	117%	271
<b>2010</b>	783	55%	280
<b>2011</b>	1,852	136%	1,068
<b>2012</b>	5,297	186%	3,445
<b>2013</b>	7,087	34%	1,790
<b>2014</b>	8,791	24%	1,704
<b>2015</b>	12,742	45%	3,951
<b>2016</b>	19,952	57%	7,210
<b>2017</b>	49,140	146%	29,188
<b>2018</b>	75,715	54%	26,575
<b>2019</b>	90,519	20%	14,804

**Table 10. Customer growth year over year**

	Participating Customers	% change from previous year	Absolute change from previous year
<b>2009</b>	133	111%	70
<b>2010</b>	199	50%	66
<b>2011</b>	298	50%	99
<b>2012</b>	388	30%	90
<b>2013</b>	522	35%	134
<b>2014</b>	671	29%	149
<b>2015</b>	866	29%	195
<b>2016</b>	1,116	29%	250
<b>2017</b>	1,968	76%	852
<b>2018</b>	2,573	31%	605
<b>2019</b>	3,407	32%	834

## Appendix A; IOU Submitted Net Metering Summary Reports



## 2019 Net Metering Report Summary

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

Net Metering Customer Information		
Customer Class	Number of Customers	Nameplate Capacity (kW)
Residential	252 (256 Installations)	1,646.8
Commercial	28	868.2
Industrial	1	1,000.0
Schools	0	0
<b>Total</b>	<b>285 (281 Installations)</b>	<b>3,515.0</b>
<b>New Interconnections</b>	96	
<b>Former Customers</b>	5	

Net Metering Facility Information			
Generation Technology	Number	Nameplate Capacity	Electricity Generated (Net)
Solar	284	3,465 kW	881 MWh
Wind	1	50 kW	2 MWh
Organic Waste Biomass	0	0	0
Other Qualified Net Metering Facilities	0	0	0
<b>Total</b>	<b>285</b>	<b>3,515</b>	<b>883 MWh</b>

2019 Net Metering Indiana Statutory Threshold Calculation (in kW)			
	2019	Installed	% of Category Threshold
<b>Summer Peak (2018)</b>	2,715,000 kW		
<b>Capacity Threshold (1.5% of Summer Peak)</b>	40,725 kW		
<b>Residential (40%)</b>	16,290 kW	1,647 kW	10.1%
<b>Biomass (15%)</b>	6,109 kW	0	0
<b>All Other (45%)</b>	18,326 kW	1,868 kW	10.2%
<b>Total Installed as of December 31, 2019</b>		3,515 kW	
<b>Total Installed of 1.5% Threshold</b>		8.6%	

**Indiana Utility Regulatory Commission – Net Metering Report Summary  
Calendar Year 2019 / Q4 2019 Report**

<b>Utility Name:</b>	Duke Energy Indiana, LLC
<b>Contact Name:</b>	Kelley Karn
<b>Phone Number:</b>	317-838-2461
<b>Email:</b>	Kelley.Karn@duke-energy.com
<b>Calendar Year/Quarter:</b>	Calendar Year 2019 / 2019 Q4
<b>Summer Peak Load for 2018</b>	5390 MW
<b>Total Number of Eligible* Net Metering Customers:</b>	1475 <sup>1</sup>
<b>Total Number of Eligible* Net Metering Facilities:</b>	1475
<b>Number and Size of Solar Facilities – aggregate capacity:</b>	1436 and 34946.556 kW
<b>Number and Size of Wind Facilities – aggregate capacity:</b>	28 and 2188.4 kW
<b>Number and Size of Organic Waste Biomass Facilities – aggregate capacity:</b>	0 and 0
<b>Number and Size of Other Qualifying Facilities – aggregate capacity:</b>	11 and 2,160.26 <sup>2</sup>
<b>Number of New Net Metering Customer Interconnections:</b>	47 (Q4 2019) 235 (calendar year 2019)
<b>Number of Previous Net Metering Customers who left the program in the calendar year:</b>	3 Transfers of Ownership
<b>Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available):</b>	Not available
<b>List Any System Emergency Disconnections that occurred, and an explanation of each:</b>	No emergency disconnections

\*(i.e., operating participants as of end of quarter.)

<b>Total Number of Eligible Net Metering Customers by Customer Class:</b>			
	<b>Number of Customers:</b>	<b>kW</b>	<b>Customer Class</b>
	1222	8557.315	Residential
	198	17905.481	Commercial
	8	375.75	Industrial
	47	12456.67	Schools
<b>Total</b>	<b>1475</b>	<b>39295.216</b>	

Any discrepancies between this report and previous are the result of a change in source in order to automate and provide the report quarterly. The previous data was manual. It is now pulled from Duke Energy Indiana's source of record for Interconnection Projects.

<sup>1</sup> Due to automation of the report and availability of data, Number of Customers is equivalent to Number of Facilities based on number of billing accounts.

<sup>2</sup> Due to automation of the report and data availability, the "Other" Qualifying Facilities is made up of Solar/Wind Hybrid projects which are included in the system combined as opposed to separate facilities.

## 2019 Net Metering Report Summary

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

Net Metering Customer Information		
Customer Class	Number of Customers	Nameplate Capacity (kW)
Residential	467	4,292.5
Commercial	74	3,389
Industrial	4	1,235.5
Schools	16	4,892
<b>Total</b>	<b>561</b>	<b>13,809</b>
<b>New Interconnections</b>	188	
<b>Former Customers</b>	n/a	

Net Metering Facility Information			
Generation Technology	Number	Nameplate Capacity	Electricity Generated (Net)
Solar	523	13,412	n/a
Wind	37	157	n/a
Organic Waste Biomass	1	240	n/a
Other Qualified Net Metering Facilities	n/a	n/a	n/a
<b>Total</b>	<b>561</b>	<b>13,809</b>	<b>n/a</b>

2019 Net Metering Indiana Statutory Threshold Calculation (in kW)			
	2019	Installed	% of Category Threshold
Summer Peak	3,465		
Capacity Threshold (1.5% of Summer Peak)	52		
Residential (40%)	20.8	4,292	21%
Biomass (15%)	7.8	240	3%
All Other (45%)	23.4	9,277	40%
<b>Total Installed as of December 31, 2019</b>		<b>13,809</b>	
<b>Total Installed of 1.5% Threshold</b>		<b>27%</b>	

## 2019 Net Metering Report Summary

### Utility Contact Information

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

### Net Metering Customer Information

Customer Class	Number of Customers	Nameplate Capacity (kW)
<b>Residential</b>	394	3,414
<b>Commercial</b>	110	7,779
<b>Industrial</b>	0	0
<b>Schools</b>	28	12,007
<b>Total</b>	532	23,200
<b>New Interconnections</b>	152 customers for 158 facilities	
<b>Former Customers</b>	0	

### Net Metering Facility Information

Generation Technology	Number	Nameplate Capacity	Electricity Generated (Net)
<b>Solar</b>	513	21,002	11,604,993 kW
<b>Wind</b>	29	1,905	1,315,157 kW
<b>Organic Waste Biomass</b>	0	0	0
<b>Other Qualified Net Metering Facilities</b>	7	293	18,411 kW
<b>Total</b>	549	23,200	12,938,561 kW

### 2019 Net Metering Indiana Statutory Threshold Calculation (in kW)

	2019	Installed	% of Category Threshold
<b>Summer Peak<sup>1</sup></b>	3,133,260		
<b>Capacity Threshold (1.5% of Summer Peak)</b>	46,998.0		
<b>Residential (40%)</b>	18,799.56	3,414	18.16
<b>Biomass (15%)</b>	7,049.835	0	0
<b>All Other (45%)</b>	21,149.51	19,786	93.55
<b>Total Installed as of December 31, 2019</b>		23,200	
<b>Total Installed of 1.5% Threshold</b>		49.36%	

<sup>1</sup> The Summer Peak Load for 2019 is less than the 3,148,590 kW shown in the Quarter 3 2019 Report submitted December 31, 2019. NIPSCO's 2019 Summer Peak Load was revised after the submission of that report.

## 2019 Net Metering Report Summary

### Utility Contact Information

<b>Utility</b>	Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc., a CenterPoint Energy Company
<b>Name</b>	Brian Ankenbrand
<b>Title</b>	Senior Analyst, Regulatory and Rates
<b>Phone Number</b>	(812) 491-4154
<b>Email Address</b>	<a href="mailto:Brian.Ankenbrand@centerpointenergy.com">Brian.Ankenbrand@centerpointenergy.com</a>

### Net Metering Customer Information

Customer Class	Number of Customers	Nameplate Capacity
Residential	487	5,109.7
Commercial	66	4,485.7
Industrial	0	0.0
Schools	5	1,104.4
<b>Total</b>	<b>558</b>	<b>10,699.7</b>
<b>New Interconnections</b>	<b>118</b>	
<b>Former Customers</b>	<b>4</b>	

### Net Metering Facility Information

Generation Technology	Number	Nameplate Capacity	Electricity Generated (Net)
Solar	555	10,683.5	Not Available
Wind	3	16.2	Not Available
Organic Waste Biomass	0	0.0	Not Available
Other Qualified Net Metering Facilities	0	0.0	Not Available
<b>Total</b>	<b>558</b>	<b>10,699.7</b>	<b>Not Available</b>

### 2019 Net Metering Indiana Statutory Threshold Calculations (in kW)

	2019	Installed	% Of Category Threshold
Summer Peak Load	1,054,400.0		
Capacity Threshold (1.5% of Summer Peak)	15,816.0		
Residential (40%)	6,326.4	5,109.7	80.77%
Biomass (15%)	2,372.4	0.0	0.00%
All Others (45%)	7,117.2	5,590.1	78.54%
<b>Total Installed as of December 31, 2019</b>		<b>10,699.7</b>	
<b>Total Installed of 1.5% Threshold</b>		<b>67.65%</b>	