

## **2018 Net Metering Interim 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 and in order to stay abreast of the availability of the offering to all customer types, the Commission asked the investor-owned utilities (IOUs) to provide an update to the 2017 year-end reports submitted in March 2018.

This report summarizes the net metering interim reports filed by each of the IOUs at the request of the Commission. The data presented reflects the conditions as of September 1, 2018.

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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.

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>7</sup>

Table 1	Nameplate Capacity by utility and by resource type, September 1, 2018
Table 2	Nameplate Capacity relative to 1.5% of peak load by utility, September 1, 2018
Table 3	Non-reserved Nameplate Capacity relative to 0.675% of peak load by utility, September 1, 2018
Table 4	Customer and Nameplate Capacity by customer class, September 1, 2018

**Table 1. Nameplate Capacity by utility and by resource type, September 1, 2018**

	<b>Total (kW)</b>	<b>Solar (kW)</b>	<b>Wind (kW)<sup>8</sup></b>	<b>Biomass (kW)</b>
<b>Duke Energy Indiana</b>	30,534	28,320	2,215	0
<b>NIPSCO</b>	17,646	15,599	2,047	0
<b>I&amp;M</b>	10,694	10,312	142	240
<b>Vectren</b>	8,128	8,112	16	0
<b>IPL</b>	2,736	2,686	50	0
<b>Total</b>	<b>69,738</b>	<b>65,029</b>	<b>4,470</b>	<b>240</b>

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

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

**Table 2. Nameplate Capacity relative to 1.5% of peak load by utility, September 1, 2018**

	<b>2017 Summer Peak Load (kW)</b>	<b>September 1, 2018 Net Metering Capacity (kW)</b>	<b>Percent of consumed peak load</b>	<b>Remaining Net Metering Capacity under 1.5% cap (kW)</b>
<b>Vectren</b>	1,040,300	8,128	0.78%	7,477
<b>Duke Energy Indiana</b>	5,176,000	30,534	0.59%	47,106
<b>NIPSCO</b>	3,085,490	17,646	0.57%	28,636
<b>I&amp;M</b>	3,436,000	10,694	0.31%	40,846
<b>IPL</b>	2,583,000	2,736	0.11%	36,009
<b>Total</b>	<b>15,320,790</b>	<b>69,738</b>	<b>0.46%</b>	<b>160,073</b>

**Table 3. Non-reserved Nameplate Capacity relative to the available 0.675% of peak load by utility, September 1, 2018**

	<b>2017 Summer Peak Load (kW)</b>	<b>September 1, 2018 Non-reserved Net Metering Capacity (kW)</b>	<b>Percent of available Non-reserved Net Metering Capacity Consumed</b>	<b>Remaining Non-reserved Net Metering Capacity under 0.675% of peak load (kW)</b>
<b>NIPSCO</b>	3,085,490	15,629	75%	5,198
<b>Duke Energy Indiana</b>	5,176,000	24,052	69%	10,886
<b>Vectren</b>	1,040,300	4,251	61%	2,771
<b>I&amp;M</b>	3,436,000	8,471	37%	14,722
<b>IPL</b>	2,583,000	1,710	10%	15,726
<b>Total</b>	<b>15,320,790</b>	<b>54,113</b>	<b>52%</b>	<b>49,303</b>

**Table 4. Customer and Nameplate Capacity by customer class, September 1, 2018**

	<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>	893	240	167	251	371	<b>1922</b>
<b>Residential kW</b>	6,482	1,983	1,026	2,017	3,877	<b>15,386</b>
<b>Commercial Customers</b>	167	61	19	70	52	<b>369</b>
<b>Commercial kW</b>	10,332	2,583	710	4,650	3,146	<b>21,420</b>
<b>Industrial Customers</b>	9	4	1	0	0	<b>14</b>
<b>Industrial kW</b>	279	1,236	1,000	0	0	<b>2,515</b>
<b>School Customers</b>	48	16	0	26	5	<b>95</b>
<b>School kW</b>	13,441	4,892	0	10,980	1,104	<b>30,418</b>

# Appendix A; IOU Submitted Net Metering Interim Summary Reports

**Indiana Utility Regulatory Commission – Net Metering Report Summary  
(Interim Report)**

<b>Utility Name:</b>	Duke Energy Indiana, LLC
<b>Contact Name:</b>	Kelley A. Karn
<b>Phone Number:</b>	(317) 838-2461
<b>Email:</b>	Kelley.Karn@duke-energy.com
<b>Calendar Year/Interim Period:</b>	January 1 through September 1, 2018
<b>2017 Summer Peak Load:</b>	5176 MW
<b>Total Number of Eligible (i.e., participating on 9/1/2018 of reporting year) Net Metering Customers:</b>	1117
<b>Total Number of Eligible (i.e., participating on 9/1/2018 of reporting year) Net Metering Facilities:</b>	1172
<b>Number and Size of Solar Facilities – aggregate capacity:</b>	1137 - 28319.791 kW
<b>Number and Size of Wind Facilities – aggregate capacity:</b>	35 - 2214.64 kW
<b>Number and Size of Organic Waste Biomass Facilities – aggregate capacity:</b>	0
<b>Number and Size of Other Qualifying Facilities – aggregate capacity:</b>	0
<b>Number of New Net Metering Customer Interconnections:</b>	270
<b>Number of Previous Net Metering Customers (who left the program in the calendar year):</b>	10 (1 ceased participation entirely and 9 were transfers of ownership)
<b>Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available):</b>	N/A
<b>List Any System Emergency Disconnections that occurred, and an explanation of each:</b>	none

<b>Total Number of Eligible Net Metering Customers by Customer Class:</b>			
	<b>Number of Customers:</b>	<b>kW</b>	<b>Customer Class</b>
	893	6482.382	Residential
	167	10331.849	Commercial
	9	278.72	Industrial
	48	13441.48	Schools
<b>Total</b>	1117	30534.431	

**Indiana Michigan Power Company  
Interim Net Metering Report  
November 30, 2018**

**III. Data Responses**

I&M's interim net metering summary report for the period of January 1, 2018 to September 1, 2018 is provided below:

<b>Utility Name:</b>	Indiana Michigan Power Company
<b>Contact Name:</b>	Tanner Guthrie
<b>Phone Number:</b>	260-408-3686
<b>Email:</b>	<a href="mailto:tlguthrie@aep.com">tlguthrie@aep.com</a>
<b>Calendar Year/Interim Period:</b>	January 1 through September 1, 2018
<b>2017 Summer Peak Load:</b>	3436 MW
<b>Total Number of Eligible (i.e., participating on 9/1/2018 of reporting year) Net Metering Customers:</b>	321
<b>Total Number of Eligible (i.e., participating on 9/1/2018 of reporting year) Net Metering Facilities:</b>	321
<b>Number and Size of Solar Facilities – aggregate capacity:</b>	284 – 10,312 kW
<b>Number and Size of Wind Facilities – aggregate capacity:</b>	36 – 142 kW
<b>Number and Size of Organic Waste Biomass Facilities – aggregate capacity:</b>	1 – 240 kW
<b>Number and Size of Other Qualifying Facilities – aggregate capacity:</b>	-0-
<b>Number of New Net Metering Customer Interconnections:</b>	38
<b>Number of Previous Net Metering Customers (who left the program in the calendar year):</b>	2
<b>Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available):</b>	n/a
<b>List Any System Emergency Disconnections that occurred, and an explanation of each:</b>	n/a

<b>Total Number of Eligible Net Metering Customers by Customer Class:</b>			
	<b>Number of Customers:</b>	<b>kW</b>	<b>Customer Class</b>
	240	1,983	Residential
	61	2,583	Commercial
	4	1,236	Industrial
	16	4,892	Schools
<b>Total</b>	321	10,694	

**Indiana Michigan Power Company  
Interim Net Metering Report  
November 30, 2018**

I&M's net metering cap calculation:

<b>Updated: 11/28/2018</b>		<b>Indiana 2016 Cap (MW)</b>	<b>Indiana 2017 Cap (MW)</b>	<b>Indiana 2018 Cap (MW)</b>	<b>Installed (MW)</b>	<b>% of Category Cap</b>
<b>Summer Peak (SP)</b>		2889.0	3436.0	3629.0		
<b>Capacity (1.5% of SP)</b>	<b>1.5%</b>	43.3	51.5	54.4		
<b>Residential 40%</b>		17.3	20.6	21.8	1.98	<b>9%</b>
<b>Bio-mass 15%</b>		6.5	7.7	8.2	0.24	<b>3%</b>
<b>All Other 45%</b>		19.5	23.2	24.5	8.47	<b>35%</b>
<b>Total Installed through 9/1/18:</b>					<b>10.7</b>	
<b>Total Installed of 1.5% Cap</b>					<b>20%</b>	

Please contact Tanner Guthrie, whose contact information is listed above, if there are any questions or comments regarding this report or if I&M can be of further assistance.



## Indiana Utility Regulatory Commission – Net Metering Report Summary

<b>Utility Name:</b>	Indianapolis Power & Light Company
<b>Contact Name:</b>	Lester H. Allen, P.E.
<b>Phone Number:</b>	(317) 261-8972
<b>Email:</b>	<a href="mailto:jake.allen@aes.com">jake.allen@aes.com</a>
<b>Calendar Year/Interim Period:</b>	January 1 through September 1, 2018
<b>2017 Summer Peak Load:</b>	2,583 MW
<b>Total Number of Eligible (i.e., participating on 9/1/2018 of reporting year) Net Metering Customers:</b>	187
<b>Total Number of Eligible (i.e., participating on 9/1/2018 of reporting year) Net Metering Facilities:</b>	188 (One customer has net metering facilities at two distinct locations)
<b>Number and Size of Solar Facilities – aggregate capacity:</b>	187 – 2.686 kW
<b>Number and Size of Wind Facilities – aggregate capacity:</b>	1- 50 kW
<b>Number and Size of Organic Waste Biomass Facilities – aggregate capacity:</b>	0
<b>Number and Size of Other Qualifying Facilities – aggregate capacity:</b>	0
<b>Number of New Net Metering Customer Interconnections:</b>	15
<b>Number of Previous Net Metering Customers (who left the program in the calendar year):</b>	0
<b>Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available):</b>	541.6 MWh
<b>List Any System Emergency Disconnections that occurred, and an explanation of each:</b>	None

<b>Total Number of Eligible Net Metering Customers by Customer Class:</b>			
	<b>Number of Customers:</b>	<b>kW</b>	<b>Customer Class</b>
	167	1,026.3	Residential
	19	709.6	Commercial
	1	1,000.0	Industrial
	0	0	Schools
<b>Total</b>	188	2,735.9	

## Indiana Utility Regulatory Commission – Net Metering Report Summary

<b>Utility Name:</b>	Northern Indiana Public Service Company
<b>Contact Name:</b>	Alison Becker
<b>Phone Number:</b>	(317) 684-4910
<b>Email:</b>	abecker@nisource.com
<b>Calendar Year/Interim Period:</b>	January 1 through September 1, 2018
<b>2017 Summer Peak Load:</b>	3085.49 MW
<b>Total Number of Eligible (i.e., participating on 9/1/2018 of reporting year) Net Metering Customers:</b>	347
<b>Total Number of Eligible (i.e., participating on 9/1/2018 of reporting year) Net Metering Facilities:</b>	355
<b>Number and Size of Solar Facilities – aggregate capacity:</b>	318 solar facilities (15,599 kW)
<b>Number and Size of Wind Facilities – aggregate capacity:</b>	28 wind facilities (1,902 kW)
<b>Number and Size of Organic Waste Biomass Facilities – aggregate capacity:</b>	None
<b>Number and Size of Other Qualifying Facilities – aggregate capacity:</b>	9 wind & solar facilities (145 kW)
<b>Number of New Net Metering Customer Interconnections:</b>	83 new facilities
<b>Number of Previous Net Metering Customers (who left the program in the calendar year):</b>	2 (1 solar, 1 wind)
<b>Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available):</b>	5,929,319 kWh
<b>List Any System Emergency Disconnections that occurred, and an explanation of each:</b>	n/a

<b>Total Number of Eligible Net Metering Customers by Customer Class:</b>			
	<b>Number of Customers:</b>	<b>kW</b>	<b>Customer Class</b>
	251	2,016.72	Residential
	70	4,649.59	Commercial
	0	0	Industrial
	26	10,979.78	Schools
<b>Total</b>	347 Customers	17,646.099 kW	

## Indiana Utility Regulatory Commission – Net Metering Report Summary

<b>Utility Name:</b>	Southern Indiana Gas and Electric Company d/b/a Vectren Energy Delivery of Indiana, Inc.
<b>Contact Name:</b>	Vickie McClatchy
<b>Phone Number:</b>	812-491-4299
<b>Email:</b>	vlmclatchy@vectren.com
<b>Calendar Year/Interim Period:</b>	January 1 through September 1, 2018
<b>2017 Summer Peak Load:</b>	1040.3 MW
<b>Total Number of Eligible (i.e., participating on 9/1/2018 of reporting year) Net Metering Customers:</b>	428
<b>Total Number of Eligible (i.e., participating on 9/1/2018 of reporting year) Net Metering Facilities:</b>	428
<b>Number and Size of Solar Facilities – aggregate capacity:</b>	425 – 8111.8kW Total
<b>Number and Size of Wind Facilities – aggregate capacity:</b>	3 – 16.2kW Total
<b>Number and Size of Organic Waste Biomass Facilities – aggregate capacity:</b>	0
<b>Number and Size of Other Qualifying Facilities – aggregate capacity:</b>	0
<b>Number of New Net Metering Customer Interconnections:</b>	29
<b>Number of Previous Net Metering Customers (who left the program in the calendar year):</b>	0
<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>	None

<b>Total Number of Eligible Net Metering Customers by Customer Class:</b>			
	<b>Number of Customers:</b>	<b>kW</b>	<b>Customer Class</b>
	371	3877.4	Residential
	52	3146.2	Commercial
	0	0	Industrial
	5	1104.4	Schools
<b>Total</b>	428	8128	