

2021 Year-End (2021YE) 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 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 load³ 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.

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 2019-2⁷. One directive from that Order called for investor-owned utilities (IOUs) to provide quarterly updates on their net metering participation⁸.

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, 2021. Utility and statewide comparative data are presented on the following pages, while the individual utility net metering summary reports are included in Appendix A.

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.

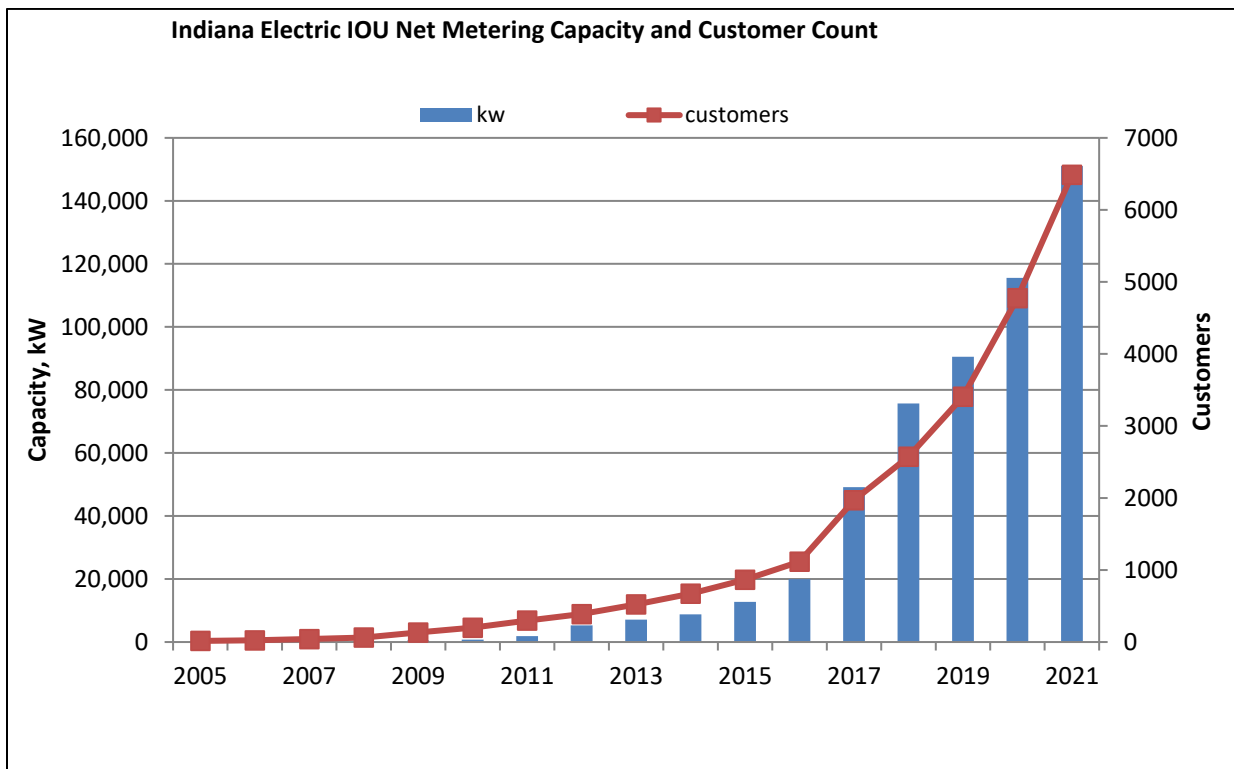
⁷ The Informational Collaborative Meeting was held on April 10, 2019, and GAO 2019-2 was adopted on August 29, 2019.

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

Summary of Figures and Tables^{9 10}

| | |
|----------|---|
| Figure 1 | Number of customers and total capacity by year |
| Table 1 | Nameplate Capacity by utility and by resource type, 2021YE |
| Table 2 | Nameplate Capacity by utility and by resource type, 2021YE change from 2020YE |
| Table 3 | Nameplate Capacity relative to 1.5% of peak load by utility, 2021YE |
| Table 4 | Non-reserved Nameplate Capacity relative to 0.675% peak load by utility, 2021YE |
| Table 5 | Customer and Nameplate Capacity by customer class, 2021YE |
| Table 6 | Customer and Nameplate Capacity by customer class, 2021YE change from 2020YE |
| Table 7 | Solar Nameplate Capacity growth year over year (2012-2021) |
| Table 8 | Wind Nameplate Capacity growth year over year (2012-2021) |
| Table 9 | Total Nameplate Capacity growth year over year (2012-2021) |
| Table 10 | Total Customer growth year over year (2012-2021) |

Figure 1. Number of customers and total capacity by year



⁹ Values compiled and presented in the tables may have been rounded to the nearest integer and may not sum directly.

¹⁰ Throughout this report the 2020YE data has been adjusted from earlier reports to correct previous errant reporting by Duke Energy Indiana.

Table 1. Nameplate Capacity by utility and by resource type, 2021YE

| | Total (kW) | Solar (kW) | Wind (kW)¹¹ | Biomass (kW) |
|----------------------------|-------------------|-------------------|-------------------------------|---------------------|
| Duke Energy Indiana | 57,258 | 52,909 | 4,349 | 0 |
| NIPSCO | 42,694 | 40,496 | 2,198 | 0 |
| I&M | 24,680 | 24,290 | 150 | 240 |
| Vectren | 17,862 | 17,846 | 16 | 0 |
| IPL | 8,528 | 8,478 | 50 | 0 |
| Total | 151,022 | 144,019 | 6,763 | 240 |

Table 2. Nameplate Capacity by utility and by resource type, 2021YE change from 2020YE

| | Total (kW) | Solar (kW) | Wind (kW)¹² | Biomass (kW) |
|----------------------------|-------------------|-------------------|-------------------------------|---------------------|
| NIPSCO | 12,341 | 12,341 | 0 | 0 |
| Duke Energy Indiana | 11,015 | 11,015 | 0 | 0 |
| I&M | 5,879 | 5,879 | 0 | 0 |
| Vectren | 3,198 | 3,198 | 0 | 0 |
| IPL | 3,042 | 3,042 | 0 | 0 |
| Total | 35,475 | 35,475 | 0 | 0 |

¹¹ Customers and capacity identified as dual (i.e. composed of both solar and wind) are grouped with the wind resources.

¹² 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, 2021YE

| | Summer Peak Load (kW) | 2021YE Net Metering Capacity (kW) | Percent of available Total Net Metering Capacity Consumed |
|---------------------|------------------------------|--|--|
| Vectren | 984,300 | 17,862 | 121% |
| NIPSCO | 3,163,130 | 42,694 | 90% |
| Duke Indiana | 5,413,000 | 57,258 | 71% |
| I&M | 3,318,000 | 24,680 | 50% |
| IPL | 2,716,000 | 8,528 | 21% |
| Total | 15,594,430 | 151,022 | 65% |

Table 4. Non-reserved Nameplate Capacity relative to the available 0.675% of peak load by utility, 2021YE

| | Summer Peak Load (kW) | 2021YE Non-reserved Net Metering Capacity (kW) | Percent of available Non-reserved Net Metering Capacity Consumed |
|---------------------|------------------------------|---|---|
| NIPSCO | 3,163,130 | 34,453 | 161% |
| Vectren | 984,300 | 9,244 | 139% |
| Duke Indiana | 5,413,000 | 41,246 | 113% |
| I&M | 3,318,000 | 14,702 | 66% |
| IPL | 2,716,000 | 3,265 | 18% |
| Total | 15,594,430 | 102,910 | 98% |

Table 5. Customer and Nameplate Capacity by customer class, 2021YE

| | Duke Energy Indiana | I&M | IPL | NIPSCO | Vectren | Total |
|-----------------------|---------------------|-------|-------|--------|---------|---------------|
| Residential Customers | 2,050 | 1,058 | 742 | 969 | 814 | 5,633 |
| Residential kW | 16,012 | 9,738 | 5,263 | 8,241 | 8,618 | 47,871 |
| Commercial Customers | 253 | 148 | 45 | 165 | 109 | 720 |
| Commercial kW | 23,755 | 8,554 | 2,265 | 17,817 | 8,140 | 60,531 |
| Industrial Customers | 10 | 6 | 1 | 0 | 0 | 17 |
| Industrial kW | 1,036 | 1,496 | 1,000 | 0 | 0 | 3,532 |
| School Customers | 61 | 16 | 0 | 35 | 5 | 117 |
| School kW | 16,455 | 4,892 | 0 | 16,636 | 1,104 | 39,088 |

Table 6. Customer and Nameplate Capacity by customer class, 2021YE change from 2020YE

| | Duke Energy Indiana | I&M | IPL | NIPSCO | Vectren | Total |
|-----------------------|---------------------|-------|-------|--------|---------|---------------|
| Residential Customers | 490 | 328 | 275 | 354 | 134 | 1581 |
| Residential kW | 4,015 | 3,109 | 2,114 | 3,014 | 1,451 | 13,703 |
| Commercial Customers | 29 | 32 | 4 | 32 | 23 | 120 |
| Commercial kW | 5,707 | 2,704 | 928 | 7,597 | 1747 | 18,683 |
| Industrial Customers | 2 | 1 | 0 | 0 | 0 | 3 |
| Industrial kW | 660 | 66 | 0 | 0 | 0 | 726 |
| School Customers | 4 | 0 | 0 | 4 | 0 | 8 |
| School kW | 634 | 0 | 0 | 1,730 | 0 | 2,364 |

Table 7. Solar Nameplate Capacity growth year over year

| | Capacity (kW) | % change from previous year | Absolute change from previous year (kW) |
|-------------|----------------------|------------------------------------|--|
| 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 |
| 2019 | 83,509 | 18% | 12,491 |
| 2020 | 108,544 | 30% | 25,035 |
| 2021 | 144,019 | 33% | 35,475 |

Table 8. Wind Nameplate Capacity growth year over year

| | Capacity (kW) | % change from previous year | Absolute change from previous year (kW) |
|-------------|----------------------|------------------------------------|--|
| 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) |
| 2019 | 6,770 | 49% | 2,214 |
| 2020 | 6,763 | 0% | (7) |
| 2021 | 6,763 | 0% | 0 |

Table 9. Total Nameplate Capacity growth year over year

| | Capacity (kW) | % change from previous year | Absolute change from previous year (kW) |
|-------------|----------------------|------------------------------------|--|
| 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 |
| 2019 | 90,519 | 20% | 14,804 |
| 2020 | 115,547 | 28% | 25,028 |
| 2021 | 151,022 | 31% | 35,475 |

Table 10. Customer growth year over year

| | Participating Customers | % change from previous year | Absolute change from previous year |
|-------------|--------------------------------|------------------------------------|---|
| 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 |
| 2019 | 3,407 | 32% | 834 |
| 2020 | 4,775 | 40% | 1,368 |
| 2021 | 6,487 | 36% | 1,712 |

Appendix A; IOU Submitted Net Metering Summary Reports

2021 Net Metering Report Summary

| Utility Contact Information | |
|-----------------------------|-------------------------------|
| Utility | Duke Energy Indiana LLC |
| Name | Beth Heneghan |
| Title | Deputy General Counsel |
| Phone Number | 317-838-1254 |
| Email Address | Beth.Heneghan@duke-energy.com |

| Net Metering Customer Information | | |
|-----------------------------------|---------------------|----------------------------|
| Customer Class | Number of Customers | Nameplate Capacity (kW) |
| Residential | 2,050 | 16,011.65 |
| Commercial | 253 | 23,755.29 |
| Industrial | 10 | 1,035.75 |
| Schools | 61 | 16,455.17 |
| Total | 2,374 | 57,257.86 |
| New Interconnections | | 496 |
| Former Customers | | 8 (Transfers of Ownership) |

| Net Metering Facility Information | | | |
|---|-------------|--------------------|-----------------------------|
| Generation Technology | Number | Nameplate Capacity | Electricity Generated (Net) |
| Solar | 2,335 | 52,909.2 | Not Available |
| Wind | 28 | 2,188.4 | Not Available |
| Organic Waste Biomass | 0 | 0 | Not Available |
| Other Qualified Net Metering Facilities | 11 | 2,160.26 | Not Available |
| Total | 2374 | 57,257.86 | Not Available |

| 2021 Net Metering Indiana Statutory Threshold Calculation (in kW) | | | |
|--|-----------|------------------|-------------------------|
| | 2021 | Installed | % of Category Threshold |
| Summer Peak | 5,413,000 | | |
| Capacity Threshold (1.5% of Summer Peak) | 81,195 | | |
| Residential (40%) | 32,478 | 16,011.65 | 49.29% |
| Biomass (15%) | 11,454.75 | 0 | 0% |
| All Other (45%) | 36,537.75 | 41,246.21 | 112.88% |
| Total Installed as of December 31, 2021 | | 57,257.86 | |

Indiana Utility Regulatory Commission – Net Metering Report Summary

| | |
|---|--|
| Utility Name: | Indiana Michigan Power Company |
| Contact Name: | Bryan Owens |
| Phone Number: | 303-325-4083 |
| Email: | bsowens@aep.com |
| Calendar Year/Quarter: | 2021 4 th Quarter |
| Summer Peak Load for 2020: | 3,318 MW |
| Total Number of Eligible* Net Metering Customers: | 1,228 |
| Total Number of Eligible* Net Metering Facilities: | 1,228 |
| Number and Size of Solar Facilities – aggregate capacity: | 1,192 facilities with 24,290 kW aggregate capacity |
| Number and Size of Wind Facilities – aggregate capacity: | 35 facilities with 150 kW aggregate capacity |
| Number and Size of Organic Waste Biomass Facilities – aggregate capacity: | 1 facility with 240 kW capacity |
| Number and Size of Other Qualifying Facilities – aggregate capacity: | N/A |
| Number of New Net Metering Customer Interconnections: | 81 |
| 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: | N/A |

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

| Total Number of Eligible Net Metering Customers by Customer Class: | | | |
|---|-----------------------------|-----------|-----------------------|
| | Number of Customers: | kW | Customer Class |
| | 1,058 | 9,738 | Residential |
| | 148 | 8,554 | Commercial |
| | 6 | 1,496 | Industrial |
| | 16 | 4,892 | Schools |
| Total | 1,228 | 24,680 | |

Indiana Utility Regulatory Commission – Net Metering Report Summary

| | |
|---|--|
| Utility Name: | Indianapolis Power & Light Company dba AES Indiana |
| Contact Name: | Austin Baker |
| Phone Number: | 317-261-3601 |
| Email: | austin.baker@aes.com |
| Calendar Year/Quarter: | 2021/Q4 – period ending December 31, 2021 |
| Summer Peak Load for 2021: | 2,716 MW |
| Total Number of Eligible* Net Metering Customers: | 788 |
| Total Number of Eligible* Net Metering Facilities: | 792 |
| Number and Size of Solar Facilities – aggregate capacity: | 791 Systems; 8,478 kW |
| Number and Size of Wind Facilities – aggregate capacity: | 1 System; 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: | 283 New Agreements – 12 months ended 12/31/21 |
| Number of Previous Net Metering Customers who left the program in the calendar year: | 4 since 12/31/20 |
| Data on the Amount of Electricity Generated by Net Metering Facilities (net) (if available): | 3,001 MWh-net amount exported to AES Indiana YTD |
| List Any System Emergency Disconnections that occurred, and an explanation of each: | None |

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

| Total Number of Eligible Net Metering Customers by Customer Class: | | | |
|---|-----------------------------|-----------|-----------------------|
| | Number of Customers: | kW | Customer Class |
| | 742 | 5,263 | Residential |
| | 45 | 2,265 | Commercial |
| | 1 | 1,000 | Industrial |
| | 0 | 0 | Schools |
| Total | 788 | 8,528 | |

2021 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 | 969 | 8,241 |
| Commercial | 165 | 17,817 |
| Industrial | 0 | 0 |
| Schools | 35 | 16,636 |
| Total | 1,169 | 42,694 |
| New Interconnections | 390 customers for 408 facilities | |
| Former Customers | 0 | |

Net Metering Facility Information

| Generation Technology | Number | Nameplate Capacity | Electricity Generated (Net) |
|---|--------------|--------------------|-----------------------------|
| Solar | 1,183 | 40,496 kW | 21,806,984 kWh |
| Wind | 29 | 1,905 kW | 1,112,318 kWh |
| Organic Waste Biomass | 0 | 0 | 0 |
| Other Qualified Net Metering Facilities | 7 | 293 kW | 69,728 kWh |
| Total | 1,219 | 42,694 kW | 22,989,030 kWh |

2021 Net Metering Indiana Statutory Threshold Calculation (in kW)

| | 2021 | Installed | % of Category Threshold |
|---|-----------|-----------|----------------------------|
| Summer Peak 2021 | 3,163,130 | | |
| Capacity Threshold (1.5% of Summer Peak) | 47,447.0 | | |
| Residential (40%) | 18,978.8 | 8,241 | 43.42% |
| Biomass (15%) | 7,117.0 | 0 | 0 |
| All Other (45%) | 21,351.2 | 34,453 | 161.36% |
| Total Installed as of December 31, 2021 | | 42,694 | |
| Total Installed of 1.5% Threshold | | 89.98% | |

2021 Net Metering Report Summary

Utility Contact Information

| | |
|----------------------|--|
| Utility Name | Southern Indiana Gas and Electric Company d/b/a CenterPoint Energy Indiana South |
| Title | Brian Ankenbrand |
| Phone Number | Senior Analyst, Regulatory and Rates |
| Email Address | (812) 491-4154 |
| | Brian.Ankenbrand@centerpointenergy.com |

Net Metering Customer Information

| Customer Class | Number of Customers | Nameplate Capacity |
|-----------------------------|---------------------|--------------------|
| Residential | 814 | 8,617.692 |
| Commercial | 109 | 8,140.040 |
| Industrial | 0 | 0.000 |
| Schools | 5 | 1,104.400 |
| Total | 928 | 17,862.132 |
| New Interconnections | 157 | |
| Former Customers | 0 | |

Net Metering Facility Information

| Generation Technology | Number | Nameplate Capacity | Electricity Generated (Net) |
|---|------------|--------------------|-----------------------------|
| Solar | 925 | 17,845.932 | Not Available |
| Wind | 3 | 16.200 | Not Available |
| Organic Waste Biomass | 0 | 0.000 | Not Available |
| Other Qualified Net Metering Facilities | 0 | 0.000 | Not Available |
| Total | 928 | 17,862.132 | Not Available |

2021 Net Metering Indiana Statutory Threshold Calculations (in kW)

| | 2020 | Installed | % Of Category Threshold |
|---|-------------|------------|-------------------------|
| Summer Peak Load Capacity Threshold (1.5% of Summer Peak) | 984,300.000 | | |
| Residential (40%) | 14,764.500 | 8,617.692 | 145.92% |
| Biomass (15%) | 5,905.800 | 0.000 | 0.00% |
| All Others (45%) | 2,214.675 | 9,244.440 | 139.14% |
| Total Installed as of December 31, 2021 | | 17,862.132 | |
| Total Installed of 1.5% Threshold | | 120.98% | |