

UNDERSTANDING ALLIANT ENERGY'S NEW NET METERING PILOT

NET METERING PILOT ELIGIBILITY

Will my solar energy system be included in the new Pilot?

- An interconnection application received on or after May 1, 2017, will be included in the new Pilot. (Interconnection applications completed before May 1, 2017, will be subject to the previous net metering rules.)

What's new in the Pilot?

- All of Alliant Energy's Iowa customers – residential, commercial and industrial (general service and large general service) customers – are eligible for the new Pilot.
- Full retail net metering is available up to 1 megawatt (MW) or 100% of customer load (maximum load), whichever is less.
- Unused net metered generation will be banked monthly with credits cashed out annually (either January or April).

SYSTEM SIZE

How big can I build my solar energy system with the new Pilot?

You can build as large a system as you want—we do not restrict the size of your solar energy system. However, only a certain amount of the system may be eligible for net metering. You will receive either bill credits or payment for all output from your solar energy system.

How much of my solar energy system's generation will be net metered?

Solar energy system generation eligible for full retail net metering will be based on your actual highest (peak) kilowatt (kW) demand. Peak kW demand is the largest amount of electricity being used all at once.

If you do not have 12 months of historical demand data, you can calculate your peak kW demand by dividing your annual electricity usage (kWh) by 8,760 hours in a year then dividing by the load factor for your customer class.

- Residential Load Factor = 17%
- General Service Load Factor = 24%
- Large General Service Load Factor = 51%

Check IPL's Net Metering Pilot – Renewable Energy Facilities tariff at alliantenergy.com/tariffs to confirm current factors.

Sample calculation for residential customer

Customer Annual Usage (kWh)	12,000
Divided by Hours in Year	8,760
Divided by Residential Load Factor	17%
Equals Solar Energy System Eligible for Full Retail Net Metering (kW)	8.06

Who should I contact to request usage history?

Send an email with customer authorization to release information form to sellmypower@alliantenergy.com or call the Renewable Hotline at 1-800-972-5325. The Renewable Hotline is available Monday – Friday, 8:00 AM – 4:30 PM. Allow for a 2-3 day turnaround on usage history requests.

How is my load calculated if I have demand data/historic kW usage?

When available, your load will be determined by your actual highest (peak) kilowatt (kW) demand from the most current 12-month kW usage history. For customers with less than 12 months of demand data/historic kW usage, load will be calculated based on the standard calculation or using the average demand for similar customers (i.e. customer class).

How is my load calculated if I have no historic kWh usage?

Alliant Energy will use average data based upon similar customers. Specifically, the customer class (residential, general service or large general service) non-coincident peak kW demand from Alliant Energy's customer load research data will be used to set the net metering limit. The customer class average demands for determining net metering limits are:

- Residential = 5.15 kW
- General Service = 10.68 kW
- Large General Service = 448.92 kW

If a customer moves into an existing home or facility, the previous occupant's usage or demand may be used to calculate the net metering limit if 12 months of data are available.

How will my load be calculated if I'm an existing customer who already has solar or wind and I want to expand my system?

What happens if my load changes?

If you expand your existing system, a new interconnection application will be required and your system will be net metered under this pilot program. Alliant Energy measures demand for customers who already have solar or wind generation installed; therefore, the load cap (also known as the net metering limit) will be your peak demand from the most-recent 12 months of demand data.

You will have the opportunity to request a net metering limit review annually during the pilot period. You must have a minimum of 12 months of recorded demand before requesting review. If demand increases, Alliant Energy will reset your net metering limit at the higher level going forward. If demand decreases, Alliant Energy will keep the existing net metering limit for any system for which the customer already has an interconnection agreement.

If I install solar on new construction and request a net metering limit review after 12 months of data has been gathered, how will my load be calculated?

Demand is measured for customers who already have solar or wind generation installed. Therefore, the load cap, or net metering limit, will be your peak demand from the most recent 12 months.

If my demand is available for calculating my net metering limit, will my average demand of the past 12 months be used or my peak demand?

Alliant Energy will use the customer's actual peak kW demand from the most recent 12 months, not the average. The customer's actual peak kW demand reflects the maximum amount of usage placed on Alliant Energy's system.

Should I use AC or DC when determining the inverter size?

You should use AC (alternating current) when determining inverter size.

Will Alliant Energy increase the net metering limit if an AC inverter is not available to exactly match my load calculation (for example, rounding up to the nearest AC inverter size)?

No, Alliant Energy will not increase the net metering limit in this situation. Due to numerous size options depending on the brand and type of equipment used, there is no one rounding option that would work for every situation. Additionally, modifying the limit based upon the equipment selected by the customer could result in unequal treatment among customers.

CUSTOMER COMPENSATION

What happens if I build a system larger than what's eligible for full retail net metering?

You will receive monthly bill credits for any private generation over and above what's eligible for full retail net metering at Alliant Energy's energy rate contained in the Cogeneration and Small Power Production (CSPP) tariff. Net metering eligibility will be determined based on your load. If the nameplate capacity of your generation facility exceeds your load,

then only a portion of the energy outflow (excess energy) will be eligible for net metering. The amount of excess energy eligible for net metering will be determined by taking your load (in kW) and dividing by the nameplate capacity of the generation facility (in kW).

For example, if your load is 7.2 kW and you build a 10 kW system, only 72 percent of the excess energy (i.e. the energy produced by the 10kW system and exported onto the grid through the Alliant Energy meter) would be eligible for net-metering at full retail rate. The remaining 28 percent of the excess energy would be credited or purchased by IPL. This only occurs if you export power to the grid. If you build a larger system, but all of the energy produced is used on your side of the meter, none of the production is recorded on the Alliant Energy meter or exported to the grid.

Can you provide a sample calculation for the previous example?

Total Energy Delivered to Customer (usage measured by meter)	400 kWh
Total Production Received from Customer (production measured by meter)	600 kWh
Eligible for Net-Metering (600*.72)	432 kWh
Production Applied to Usage, at full retail	400 kWh
Unused net metered generation "banked" at full retail (432-400)	32 kWh
Monthly Excess Credited at CSPP rate (600-432)	168 kWh

$400+32+168 = 600$, total production received from customer

What is Alliant Energy's CSPP Rate?

The Cogeneration and Small Power Production (CSPP) rate for systems 100 kW or less can be found at alliantenergy.com/tariffs. Alliant Energy will use the CSPP rate in effect at the time of the cash out as directed by the Iowa Utilities Board and the tariff rate can change in the future. For systems greater than 100 kW, the purchase rate will be negotiated between you and Alliant Energy, not to exceed Alliant Energy's avoided cost.

OTHER QUESTIONS

Does Alliant Energy expect any further changes to the pilot net metering tariff?

The pilot will be available for no less than 3 years from its effective date. Upon Board approval, it may be extended for up to additional two years. At this time, Alliant Energy does not expect any changes to the pilot net metering tariff.

Is the option to direct meter my generation a different net metering pilot?

Alliant Energy's net metering pilot provides an opportunity, at the time of interconnection, of directly metering your private generation. This is optional for you, and Alliant Energy will only meter the generation directly if you agree it. The meter would be in addition to the bi-directional metering at the point of interconnection and would not be utilized in your billing. Directly metering the generation behind your Alliant Energy meter will provide additional data for analysis in this net-metering pilot. This data will provide a more complete picture of a private generation customer's energy usage than is available by only capturing data at the bi-directional meter. This additional data can provide insights into the real impact of private generation on customer's demand.