

**Interstate Power and Light Electric Utility Retail Customer Data  
Renewable Energy, Energy Mix and Greenhouse Gas Emission Rates  
Version: June 18, 2024**

The percent of renewable energy and greenhouse gas emission rates below are provided for Iowa retail electric customers of Alliant Energy's regulated utility subsidiary Interstate Power and Light (IPL). The values listed represent the annual average portfolio of renewable resources and associated greenhouse gas emissions delivered to IPL retail customers. These values are as of the date specified above and may be subject to change. Alliant Energy undertakes no obligation to publicly update this information.

IPL Retail Customer Data <sup>1</sup>	2019	2020	2021	2022	2023
<b>Renewable Energy Percentage (%) based on Retail Sales<sup>2</sup></b>					
Percent of Retail Sales	26.5%	43.8%	42.0%	52.7%	45.9%
<b>Greenhouse Gas Emission Rates (lbs/megawatt-hour)<sup>3</sup></b>					
Carbon dioxide (CO <sub>2</sub> )	925	800	1,060	839	808
Methane (CH <sub>4</sub> )	0.01	0.01	0.02	0.02	0.02
Nitrous oxide (N <sub>2</sub> O)	0.01	0.01	0.01	0.01	0.01
Carbon dioxide equivalent (CO <sub>2</sub> e)	929	803	1,065	842	811

<b>IPL 2023 Electric Energy Resource Mix<sup>4</sup></b>	
Total Retail Energy Delivered (megawatt-hours)	13,940,034
Electricity from Owned Generation	80.27%
Electricity from Purchased Power	19.73%
<b>Energy Resource Mix Information</b>	
Coal	13.74%
Oil	0.002%
Natural Gas	40.49%
Other Fossil	0%
Nuclear	0%
Hydroelectric	0.07%
Biomass/Biogas	0%
Wind	41.14%
Solar	0.34%
Geothermal	0%
Other - Market	4.10%
Second Nature & Null Power	0.11%

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- 1) Alliant Energy Corporation (Alliant Energy) makes no guarantees regarding the validity of this information for use by external parties in marketing or other sustainability claims or disclosures including but not limited to the U.S. Federal Trade Commission Green Guides under 16 CFR Part 260; U.S. Securities and Exchange Commission (SEC) climate rules under 40 CFR Parts 210, 229, 230, 232, 239, and 249; or any other regulatory standard or voluntary reporting framework. All information is provided on a voluntary basis without independent third-party assurance and could be subject to change.
- 2) Percentage data based on renewable energy credits (RECs) issued by the [Midwest Renewable Energy Tracking System](#) (M-RETS). M-RETS facilitates REC markets by issuing a unique, traceable digital certificate for every megawatt hour (MWh) of renewable energy supplied to the electric grid. M-RETS renewable generation production data is provided by the [Midcontinent Independent System Operator, Inc](#) (MISO) and IPL. The percentage values listed represent the annual average portfolio of renewable resources delivered to retail electric customers by IPL as of June 18, 2024 excluding: RECs sold on the market, RECs transferred for wholesale agreements or purchase power agreements (PPAs), RECs from nonregulated assets, RECs retired for the Second Nature program, and RECs associated with other customer-related renewable tariff programs. The values shown are based on RECs retired or held in Alliant Energy's M-RETS account for IPL regulated utility programs. This includes both retired RECs and RECs held in order to support future RPS compliance, customer programs, renewable tariffs, or other regulatory agreements. All or some of the RECs held in reserve for IPL in Alliant Energy's M-RETS account may be sold or transferred in the future reassigning to the purchaser or third party transferee the associated renewable energy claims and environmental attributes. Alliant Energy undertakes no obligation to publicly update this information to reflect subsequent REC retirements, sales, or transfers due to other obligations.
- 3) Greenhouse gas emission rates apply to IPL retail electric utility customers, except for customers of Alliant Energy's Green Pricing Program (Second Nature), Alliant Energy customer-related renewable tariff programs (Customer-Hosted Renewables, Community Solar, Renewable Energy Partner) and other outside parties as defined in these renewable energy agreements. Emissions from electric generation facilities are calculated in accordance with the U.S. Environmental Protection Agency (EPA) mandatory Greenhouse Gas Reporting Program regulations under 40 CFR Part 98 and carbon dioxide (CO<sub>2</sub>) emissions from fossil-fueled combustion units equipped with continuous monitoring systems are certified under 40 CFR Part 75. The rates provided include the annual share of emissions and generation from jointly-owned electric generation units. Rates have been adjusted for null power including market energy purchases and external sales or transfers of RECs as of June 18, 2024. The EPA's [Emissions and Generation Resource Integrated Database](#) (eGRID2022) emission factors are used for null power and market energy purchased CO<sub>2</sub>, methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O) emissions. Natural gas purchased power emissions are calculated from EPA emissions factors for combined-cycle electric generation units based on U.S. Energy Information Administration (EIA) reported data. Total carbon dioxide-equivalent (CO<sub>2</sub>e) emissions apply global warming potentials (GWP) as follows: CO<sub>2</sub> = 1; CH<sub>4</sub> = 25; N<sub>2</sub>O = 298.
- 4) Retail sales data provided is based on sales to ultimate consumers from the annual [Federal Energy Regulatory Commission \(FERC\) Form 1](#) report and energy mix is based on sources of energy from the [SEC Form 10-K](#) report. FERC Form 1 retail sales data is used to determine the percent of renewable energy and greenhouse gas emissions rate. The renewable energy in our resource mix represents the total amount of electricity supplied to the MISO energy market, including wholesale, retail, commercial, industrial and other energy sales. Therefore, the percent of renewable energy provided to retail electric customers can vary in comparison to the sum total of percent renewables in our overall energy resource mix listed above.