



The first state to adopt a renewable energy standard, Iowa's Alternative Energy Production Law set a 105-megawatt (MW) target for the state's two investor-owned utilities (IOUs) in 1983. The Hawkeye State ranks second (after Texas) in the nation for wind power. Iowa is ???



Changes to the State Energy Data System (SEDS) Notice: In October 2023, we updated the way we calculate primary energy consumption of electricity generation from noncombustible renewable energy sources (solar, wind, hydroelectric, and geothermal). Visit our Changes to 1960???2022 conversion factor for renewable energy page to learn more.



? "The IRA renewable energy tax credits are fundamentally, for Iowa, about prosperity and lower electric rates. That is the impact we're having." According to data from the Department of Energy



Appendix 1: Iowa State Energy Profile Iowa Quick Facts Iowa is the nation's largest fuel ethanol and biodiesel producer, accounting for one-fourth of U.S. fuel ethanol production capacity and one-fifth of biodiesel manufacturing capacity. Iowa's nearly 5,100 wind turbines generated 42% of the state's electricity in 2019, the highest wind power



? Notes: (1) IOU, municipal and REC totals exclude sales for resale.(2) REC totals exclude sales to Generation & Transmission (G& T). Amana Society Service Company is an investor-owned utility, but it is not rate-regulated due to the number of customers it serves.. Source: 2022 Annual Report (IUC 24/7; Form IE-1, Form EC-1, & Form ME-1) Iowa Electric ???



The Iowa Renewable Energy Association (I-Renew) is a nonprofit organization dedicated to educating Iowans about the appropriate use of renewable energy technologies. Publications. Reports. Clean Jobs Midwest Sept. 7, 2017 Other. Small Wind Guidebook July 3, 2017 Other. U.S. Wind Energy State Facts



Siting regulations, on a local level, guide and permit the development of renewable energy technologies. Not all Iowa counties have adopted zoning regulations???as of 2021, 21 of Iowa's 99 counties have a utility-scale solar zoning ordinance, and 58 counties have a utility-scale wind zoning ordinance (table 1).



Our Clean Energy Blueprint is our roadmap to accelerate our transition to renewable energy and diversify our energy mix across Iowa and Wisconsin. A diverse energy mix means using a variety of generation sources, including wind, solar, hydropower and natural gas, as well as battery storage, to deliver the reliable energy our customers count on.



FM also has an active energy conservation and management program, using a comprehensive set of tools such as the Energy Control Center to increase efficiency and productivity. Facilities management is committed to increasing the use of renewable energy including biomass fuels to help the University of Iowa campus become coal-free by 2025.



Iowa, often praised for its expansive farmlands and attractive landscapes, is making tremendous progress in adopting renewable energy sources. To satisfy its ever-increasing energy requirements while also contributing to a more environmentally friendly and sustainable future, the state has emerged as a leader in the use of renewable energy sources, notably ???



Renewable Energy Capacity Iowa Share of U.S. Period find more Total Renewable Energy Electricity Net Summer Capacity 11,921 MW 4.3% Aug-21 Ethanol Plant Nameplate Capacity 4,667 million gal/year 26.6% 2021 Renewable Energy Production Iowa Share of U.S. Period find more Utility-Scale Hydroelectric Net Electricity Generation 63 thousand MWh 0.3%

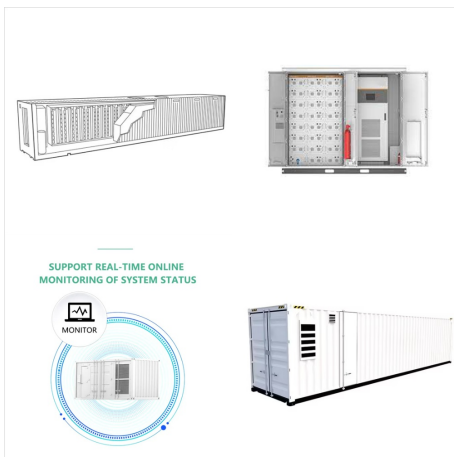


? Iowa Code chapter 476C established a state production tax credit for energy generated, sold, or consumed on-site by eligible wind energy facilities and certain non-wind renewable energy facilities. There is program capacity still available; however, one of the eligibility requirements is the facility had to be placed into service between July 1





Southwest Iowa Renewable Energy, Llc; 10868 189TH ST. Council Bluffs, IA 51501; Owner: SOUTHWEST IOWA RENEWABLE ENERGY, LLC; State Facility ID: 311181101; Federal Facility ID: 110041626194; Location Supplement: Location Comment: UNCERTAIN OF EXACT LOCATION OF PLANT ENTRANCE. USED GOOGLE EARTH TO LOCATE.



Dubuque County is in the process of creating a Renewable Energy ordinance that would address the development of wind, solar, and battery energy storage systems. The working draft of the Renewable Energy ordinance would regulate the siting and development of commercial or utility scale projects. The draft ordinance contains more limited guidance



The Iowa Energy Center Grant Program's administrative rules can be found in Iowa Administrative Code section 261.404. Advantage Advanced Manufacturing Bioscience Finance & Insurance Education Technology Buildings & Sites Transportation Workforce Renewable Energy Global Investment Compare Us.



An Iowa company is suing its marketing partner for \$7 million in damages caused by alleged errors in attempting to sell fuel-grade ethanol produced in Iowa and Nebraska. Southwest Iowa Renewable Energy, or SIRE, is a Council Bluffs-based company that has hundreds of member ethanol producers in Iowa, Nebraska, Wisconsin, Minnesota, and 18 ???



Under Iowa Code chapter 476C, a state production tax credit of 1.5¢ per kWh is available for energy sold by eligible wind energy facilities and certain other non-wind renewable energy facilities. For applications filed after July 1, 2011, tax credits are also available for on-site consumption of renewable energy from facilities with a nameplate capacity of not less than 750 ???



The Iowa Economic Development Authority (IEDA) Energy Infrastructure Revolving Loan Program (EIRLP) provides funding for individuals, businesses, and rural electric cooperative or municipal utilities located and operating in Iowa for energy infrastructure projects that facilitate electricity, biofuel, and renewable natural gas transmission



In 1983, Iowa became the first US state to establish Renewable Portfolio Standards, and met its target of 105 MW renewable energy generation capacity in 1997 (NREL 2013). At the federal level, there are 16 active programs, including four geared towards utility-scale solar energy systems in the form of grants and green power purchasing options.



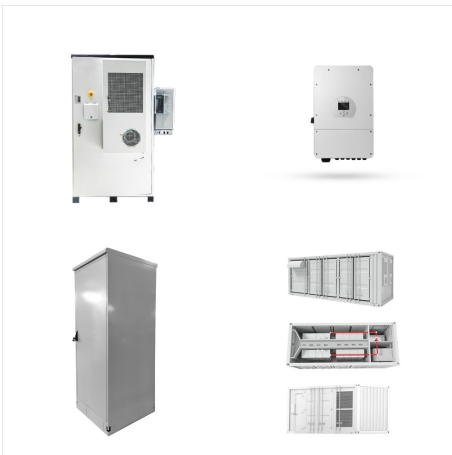
Renewable energy comes from unlimited, naturally replenished resources, such as the sun, tides, and wind. Renewable energy can be used for electricity generation, space and water heating and cooling, and transportation. Non-renewable energy, in contrast, comes from finite sources, such as coal, natural gas, and oil.



Researchers led by the University of Iowa have been awarded \$4 million in funding to support renewable energy industries in Iowa and Kansas. The four-year project, funded by the U.S. National Science Foundation through its Established Program to Stimulate Competitive Research (EPSCoR), seeks to bolster the United States' competitiveness in renewable energy.



Realizing Iowa's biomass potential can also have positive employment benefits for the state. Ethanol production alone in Iowa currently supports over 15,000 jobs (Source: Iowa Renewable Fuels Association, 2018). In January 2017, with financial assistance from the U.S. Department of Energy's (DOE) State Energy Program, the Iowa Economic



-Clean Energy Districts of Iowa, a non-profit organization in Winneshiek County, received a \$250,000 grant to help provide technical assistance to agriculture producers and rural small businesses. Specifically, assistance will be provided to those interested in making energy efficiency improvements and/or renewable energy generation for their



Given the availability and consistency of high-quality solar natural resources across Iowa, coupled with its cost-effectiveness, solar energy can play a crucial role in attaining Iowa's established ???





Renewable Energy Capacity: Iowa: Share of U.S.  
Period: find more: Total Renewable Energy  
Electricity Net Summer Capacity 13,360 MW 3.8%  
Jul-24 Ethanol Plant Nameplate Capacity 4,898  
million gal/year 27.2% 2024 Renewable Energy  
Production: Iowa: Share of U.S.