



Where can I find solar resource data?

Explore solar resource data via our online geospatial tools and downloadable maps and data sets. Access our tools to explore solar geospatial data for the contiguous United States and several international regions and countries.

Why is DNR creating a solar lease map?

DNR is creating this map to direct interest from developers to lands that are not currently under lease, and that have the lowest (or no) potential conflicts with solar development - such as habitat and cultural resources. DNR issuing a lease is not an endorsement of the project, nor does it signify approval of the project by any other agency.

Can a state trust property be used for solar development?

The Department of Natural Resources (DNR) has pre-screened thousands of state trust properties for the potential of leasing to solar developments. Potential lessees can use this map to identify properties for further interest in solar development.

How many acres of land will DNR lease for solar?

Commissioner of Public Lands, Hilary Franz set a goal to lease DNR-managed land for 500 megawatts of solar energy development by 2025. This means DNR would like to lease about 5,000 acres for solar development. DNR currently has three solar leases, for a total of approximately 1,300 acres.

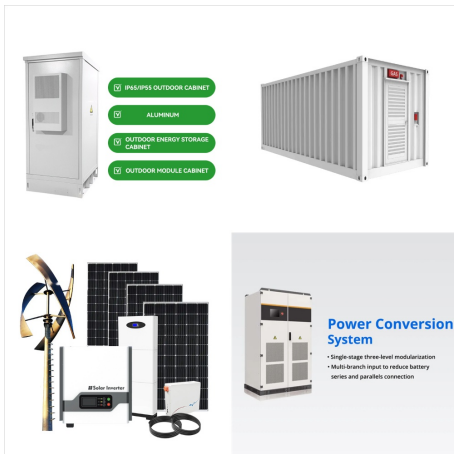
How can potential lessees identify properties for solar development?

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What is the annual solar GHI map?

U.S. Annual Solar GHI (Print Format: 11"x17") This map provides annual average daily total solar resource using 1998-2016 data (PSM v3) covering 0.038-degree latitude by 0.038-degree longitude (nominally 4 km x 4 km). For more information, please visit NSRDB or email NSRDB.

PHOTOVOLTAIC SOLAR RESOURCE MAP OF WASHINGTON STATE



Net Energy Metering. For installed systems, Washington state has a net metering law (RCW 80.60.030) that lets customers of power companies offset their electricity consumption with the production from renewable energy system such as solar panels nsumers may need to apply to their electricity power provider to obtain the credit for net metering.



"Preparation and evaluation of n-type CdSeTe as an absorber in thin film CdTe PV" (2019-2020) ???
Lynn, Swain. Funding: Department of Energy ???
Office of Energy Efficiency & Renewable Energy
??? Solar Energy Technology Office ??? Small
Innovative Projects in Solar. Partners: National
Renewable Energy Laboratory



Around 20% of the global population lives in 70 countries boasting excellent conditions for solar PV. High-potential countries tend to have low seasonality in solar PV output, meaning that the resource is relatively constant between different months of the year. A new report provides data on the solar PV power potential for countries and regions.

PHOTOVOLTAIC SOLAR RESOURCE MAP OF WASHINGTON STATE



The interactive FEMP Screening Map shows renewable energy resources and economic calculations for photovoltaic, solar ventilation preheating, and solar water heating technologies. To help agencies assess the viability of on-site distributed energy projects, the Federal Energy Management Program (FEMP) offers a variety of renewable energy



The region with poorest solar resource is the Sichuan Basin (less than 1100 kWh/m² per annum). Highlights: 1. Solar PV resource map based on FY-4A over China is established for the first time. 2. An accurate model chain is used to derive PV potential from hourly irradiance estimates. 3.



Washington State has 70% of the sun that Los Angeles receives. The Pacific NW gets more solar energy that of Germany, the leading global user of solar! We have some of the best incentives in the country, and solar panels are actually more efficient in cooler climates. Thousands of homes and business have solar installed, saving them money.

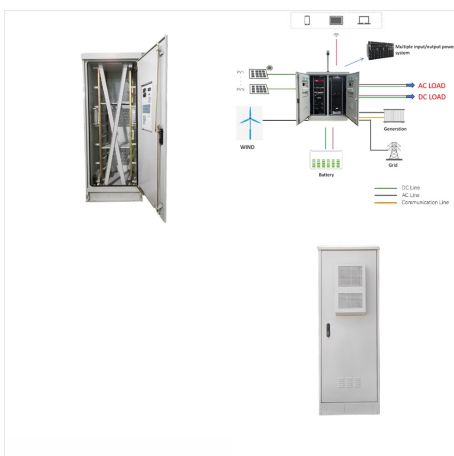
PHOTOVOLTAIC SOLAR RESOURCE MAP OF WASHINGTON STATE



The photovoltaic (PV) potential represents the expected lifetime average electricity production (in kWh) produced per kilowatt of installed photovoltaic DC capacity rated at Standard Test Conditions (STC) for grid-connected PV systems without batteries. The maps are presented for each month and for the entire year, for six different PV array



Solar radiation is essentially a free resource available anywhere on Earth, to a greater or lesser extent. Solar PV power plants convert solar radiation into electricity. In the current era of global climate change, PV technology becomes an opportunity for countries and communities to transform or develop their energy infrastructure and step up their low-carbon energy transition.



Washington State is home to many companies that manufacture solar-related products and have a strong presence in our state. Below is a list of such companies serving as a resource for you and industry representatives as well as showcasing a robust solar industry in our state. Alpha Technologies (Bellingham) ??? Components for utility scale solar

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Solar Washington is the nonprofit organization connecting you with "all things solar" in Washington. We present bi-monthly General Meetings, the annual Washington State Solar Summit, Solar 101 workshops, and this website as resources to you. Whether you are considering solar for your home or business, seeking a career in solar, or wanting to learn about legislation ???



Solar Resource Maps and Data. Find and download resource map images and data for North America, the contiguous United States, Canada, Mexico, and Central America. Solar Supply Curves. View an interactive map or download geospatial data on solar photovoltaic supply curves.



NREL solar energy supply curves integrate local ordinances and zoning laws that influence how and where solar resources can be sited and deployed. This data has now been collected into one centralized, machine-readable database of solar siting ordinances throughout the United States at the state, county, township, and city levels.

PHOTOVOLTAIC SOLAR RESOURCE MAP OF WASHINGTON STATE



Stand Up For Solar. Washington ??? Vote No on I-2066; Washington ??? Vote No on 2117! educates legislators and regulators while promoting public understanding about the impacts of policies related to solar energy in the State of Washington. SUPPORT WASEIA. WASEIA & Member News. Join Us: Vote NO on I-2066. Resources. FAQs; Guides; News



Caution: Photovoltaic system performance predictions calculated by PVWatts (R) include many inherent assumptions and uncertainties and do not reflect variations between PV technologies nor site-specific characteristics except as represented by PVWatts (R) inputs. For example, PV modules with better performance are not differentiated within PVWatts (R) from lesser ???



An introduction to solar energy resources with maps showing U.S. solar radiation resources, global solar radiation resource, and solar electricity generation from utility-scale solar and small-scale photovoltaic systems by state for the United States in most recent year annual data are available. Washington, DC 20585. Sources & Uses

PHOTOVOLTAIC SOLAR RESOURCE MAP OF WASHINGTON STATE



map in this work do not imply any judgment on the part of the World Bank concerning the legal status of any Solar Resource Atlas. Washington, DC: World Bank. Solar Resource Atlas Based on regional adaptation of Solargis model Republic of Zambia Reference No. 128-09/2019 Solar irradiation 2Amount of solar energy falling on a unit area



DIF Diffuse Horizontal Irradiation, if integrated solar energy is assumed. Diffuse Horizontal Irradiance, if solar power values are discussed DNI Direct Normal Irradiation, if integrated solar energy is assumed. Direct Normal Irradiance, if solar power values are discussed. GFS Global Forecast System.

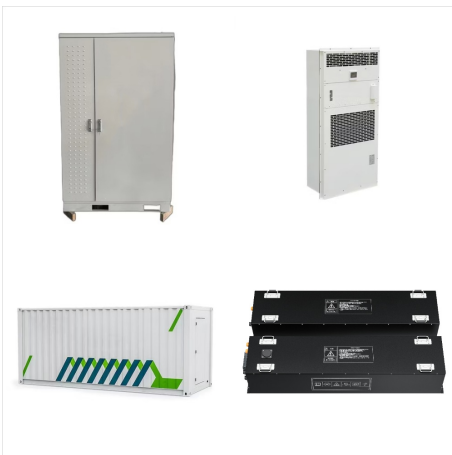


For example, most residential and commercial solar facilities show DC capacity of the PV modules, while the majority of utility facilities are reported based on the AC capacity of the inverters. In addition to periodic updates to reflect new solar installations, ODOE seeks to improve the accuracy and completeness of the data for existing projects.

PHOTOVOLTAIC SOLAR RESOURCE MAP OF WASHINGTON STATE



Solar photovoltaic (PV)-powered groundwater extraction alternatives for the Hanford Site were assessed for technical and economic feasibility. Solar PV alternatives ranging in size from 1.2



On April 22, 2024, the U.S. Environmental Protection Agency (EPA) announced Washington would receive a \$156 million Solar for All grant to make solar energy accessible to income-qualified Washingtonians. The Department of Commerce submitted an application to the EPA on behalf of the state in the fall of 2023 that was informed by public engagement.



Per state law, net metering credits expire on March 31 of each year. Washington State Production Incentive Program. The Washington State Renewable Energy System Incentive Program (RESIP) is a production-based financial incentive for customers with solar, wind, and bio-digester generating systems.

PHOTOVOLTAIC SOLAR RESOURCE MAP OF WASHINGTON STATE



Lund Hill solar sits on roughly 1,800 acres of mixed-use land leased from private owners and the Washington Department of Natural Resources, the state's solar power land lease. The project supplies electricity as part of utility Puget Sound Energy's (PSE) program called Green Direct, which enables governments and large commercial customers



The Global Solar Atlas provides a summary of solar power potential and solar resources globally. It is provided by the World Bank Group as a free service to governments, developers and the general public, and allows users to quickly obtain data and carry out a simple electricity output calculation for any location covered by the solar resource database.



Washington State is the nation's largest hydroelectric power producer. ¹ It is the furthest northwest of the Lower 48 states, with the Pacific Ocean forming the state's western boundary. The Columbia River, second only to the Mississippi in volume of water flow among the nation's rivers, runs in an arc through the eastern half of the state. ^{2,3} It forms much of the ???