Investing in West Virginia for over 50 years
Direct Normal Solar Resource of West Virginia

Fifty-state Resource Range (kWh/m²/Day)

West Virginia Resource Range

This data provides annual average daily total solar resource averaged over surface cells of 0.038 degrees in both latitude and longitude, or, nominally, 4 km in size. The irradiation values represent the resource available to concentrating systems, and were created using the PATMOS-X algorithms for cloud identification and properties, the MIMAC radiative transfer model for clear sky calculations, and the SASRAE model for cloudy sky calculations. The data are averaged from hourly model output over 8 years (2005-2012).

This map was produced by the National Renewable Energy Laboratory for the U.S. Department of Energy.
Nicholas Gilroy, April 4, 2017

NREL
NATIONAL RENEWABLE ENERGY LABORATORY

The Nature Conservancy
Vibrant nature & economy – we can have both!

Development by Design

• Sustain the forests that provide us with clean water, flood mitigation, forest carbon sequestration, wildlife, and nature-based economic activities such as tourism, hunting and fishing, forestry by...

• Siting on lands already impacted by development (former mine lands and brownfields)
Aboveground Woody Biomass and Carbon Stock of the Conterminous United States
Jobs in Solar in West Virginia and Region

- West Virginia: 311 jobs
- Kentucky: 1,293 jobs
- Washington D.C.: 1,294 jobs
- Virginia: 3,565 jobs
- Pennsylvania: 3,848 jobs
- Tennessee: 4,411 jobs
- Maryland: 5,324 jobs
- Ohio: 6,518 jobs
- North Carolina: 7,622 jobs
Internal Capabilities

- Science
- Policy
- Impact Investment
- Corporate Engagement
- Project Management
- Facilitating Collaborative Projects

External Stakeholders

- Mineland owners
- Solar developers
- Utilities
- Corporate off-takers
- Policymakers
- Regulators
- Workforce development
- Local economic development authorities
Questions?

Beth Wheatley
Director of External Affairs & Strategic Initiatives
The Nature Conservancy in West Virginia
ewheatley@tnc.org