

2021 WEST VIRGINIA CLEAN ENERGY JOBS & ECONOMIC IMPACT REPORT

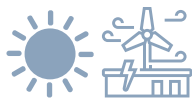


West Virginia is working vigorously to stack their energy portfolio including diverse forms of energy. The transition from coal to clean energy continues to gain momentum across the globe, and West Virginia is making great strides towards a cleaner future through their investments in wind, solar and battery storage.

The cost of solar and wind energy has decreased by 90 percent and 71 percent respectively over the past decade. With costs dropping dramatically, the interest in solar and wind development has spiked in the Mountain State and is poised to create thousands of new jobs. Additionally Fortune 100 companies including Toyota and Procter & Gamble are investing millions in renewable energy in their West Virginia facilities to aggressively reduce carbon emissions. Other large WV employers such as Target, Walmart and General Mills have adopted robust clean energy goals.

As lawmakers and business leaders push for diversified energy, the opportunities are abundant to build a stronger, cleaner future for the state of West Virginia.

WV CLEAN ENERGY JOBS = 8,996



Solar & Wind
Energy

845



Energy
Efficiency

6,309



Electric
Vehicles

899



Storage &
Grid

778

10%

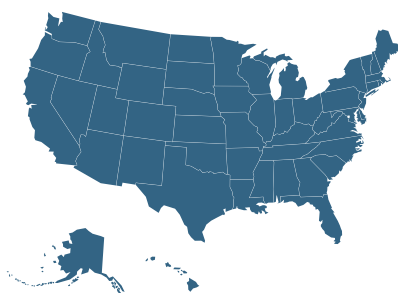
Clean Energy
Job Growth
2018-2020

2,675

Total Clean
Energy Jobs In
Rural Areas

1.4%

Share of
Statewide
Workforce



National Clean Energy Jobs = 3,048,603

Energy Efficiency	Renewable Energy	Grid & Storage	Electric Vehicles
2,107,174	492,891	137,872	273,630

West Virginia

RENEWABLE ENERGY ECONOMIC BENEFITS

\$2 billion



Capital invested in wind, solar, and energy storage projects

\$6 million

Annual property, state, and local taxes paid in West Virginia via renewable energy projects

\$9.5 million

Annual income to farmers, ranchers, and other private landowners via renewable energy projects

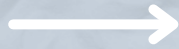
Clean Energy Goals

Current Energy Generation Goals: West Virginia's Electric Utilities

Current Generation

Appalachian Power

Renewable Energy: 5%
Hydro: 4%
Natural Gas: 19%
Coal: 72%



Generation in 2035

Appalachian Power

Solar Energy: 23%
Wind Energy: 44%
Hydro: 7%
Natural Gas: 11%
Coal: 15%

MON Power & Potomac Edison

Hydro: 1%
Coal: 99%

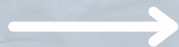


MON Power & Potomac Edison

Wind Energy: 37%
Solar Energy: 40%
Hydro: 10%
Coal: 13%

Wheeling Power

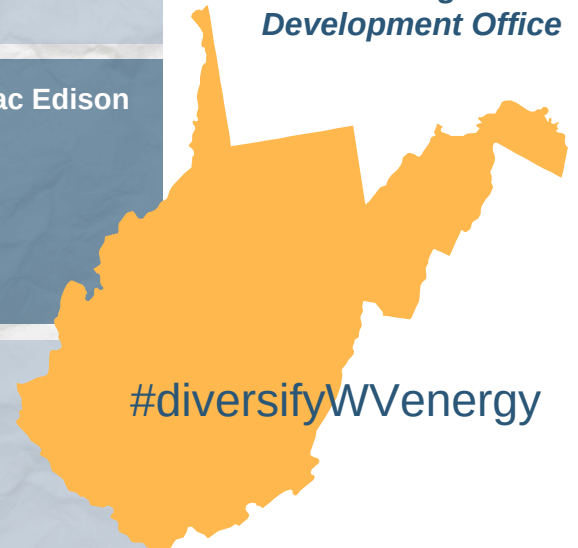
Coal: 100%



Wheeling Power

Wind Energy: 57%
Solar Energy: 19%
Coal: 24%

“Developing renewable energy resources is critical to attracting business investment to West Virginia and creating local jobs in a growing industry.” - West Virginia Development Office



Sources:

1. E2: Clean Jobs America 2021, <https://e2.org/wp-content/uploads/2021/04/E2-2021-Clean-Jobs-America-Report-04-19-2021.pdf>
2. American Clean Power, <https://cleanpower.org/facts/state-fact-sheets/>
3. West Virginia University, <https://energy.law.wvu.edu/files/d/b1ff1183-e9ae-4ad0-93bf-aa3afa1da785/wv-s-energy-future-wvu-col-cesd-final.pdf>