

# A Majority Renewables Future

The clean energy future powered by wind, solar, hydropower, energy storage, and other renewables represents a once-in-a-generation opportunity.

Clean energy is poised to be a cornerstone of our nation's economic recovery and world-class 21st century American economy. Policies and programs focused on boosting infrastructure investment, including the U.S. electric grid and clean energy power plants, can play an important role in economic recovery and job growth.

Innovation, investments, and new opportunities will move America towards a more prosperous, cleaner future to ultimately benefit local communities, the environment, and consumers.

## Smart and aggressive administrative and legislative action to reach a 50% renewable energy future by 2030 will:



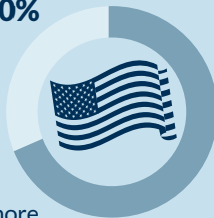
### Spur Capital Investment

Over \$1 trillion in capital investment in US infrastructure, including investment in local, rural communities.

### Grow the domestic supply chain to support renewable energy and transmission technologies.

Strong deployment of renewables will boost demand for components and services along the entire value chain, including U.S. steel and other commodities like concrete as well as skilled labor AND transportation and logistics services.

Today, **50-70%** of the value of a wind power project is domestically produced. A future with more renewables like wind power will support growth in the domestic supply chain.

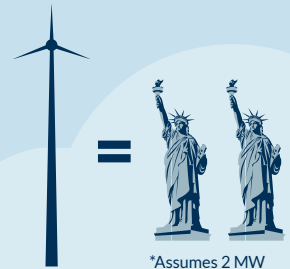


By 2025, the domestic solar supply chain has the opportunity to capture **\$71** out of every \$100 invested in solar projects.

Every new MW of wind deployed relies on 500 tons of concrete and covers **4,000 trucking miles**



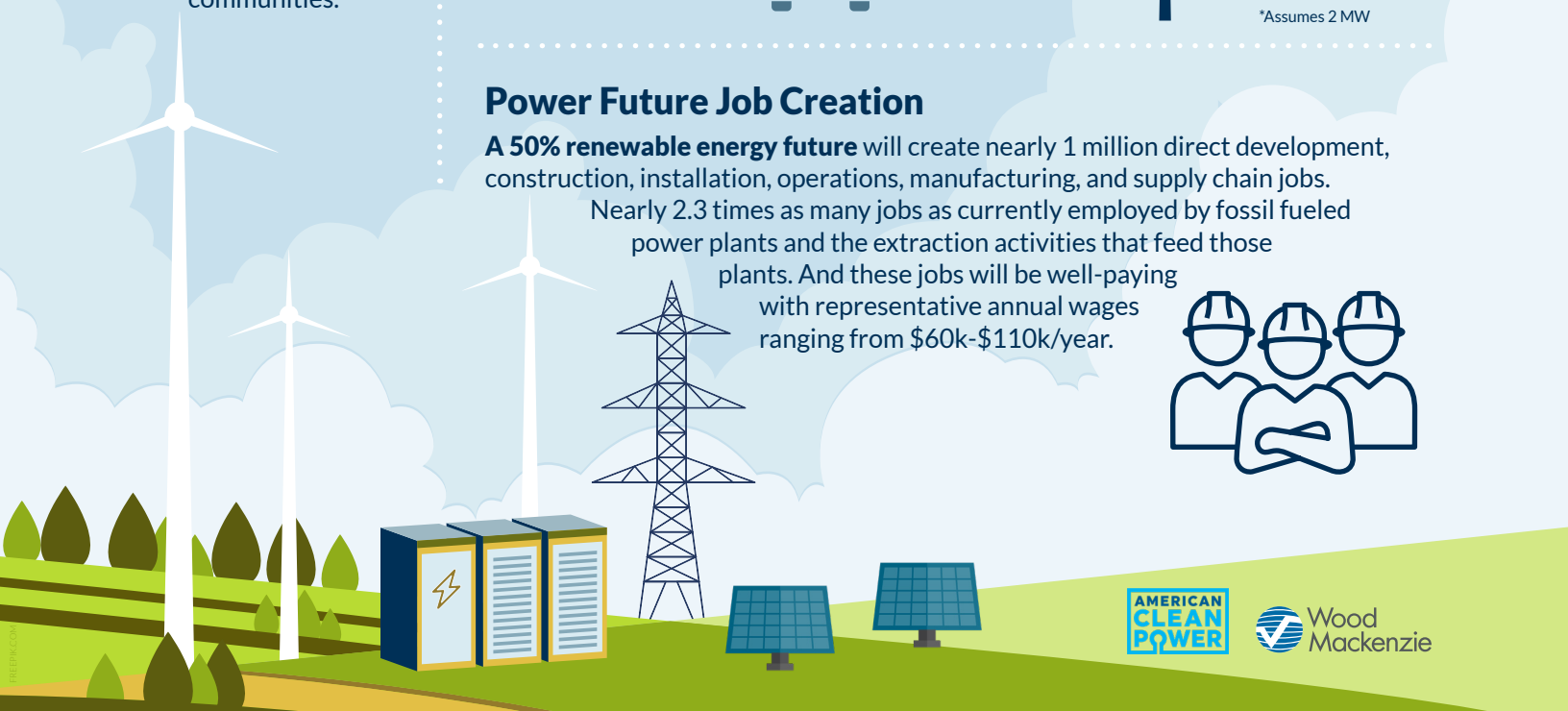
It takes roughly 212 tons of U.S. steel to build one wind turbine, which is equal to the amount of steel in **two Statues of Liberty**



### Power Future Job Creation

**A 50% renewable energy future** will create nearly 1 million direct development, construction, installation, operations, manufacturing, and supply chain jobs.

Nearly 2.3 times as many jobs as currently employed by fossil fueled power plants and the extraction activities that feed those plants. And these jobs will be well-paying with representative annual wages ranging from \$60k-\$110k/year.



# A Majority Renewables Future (cont'd)

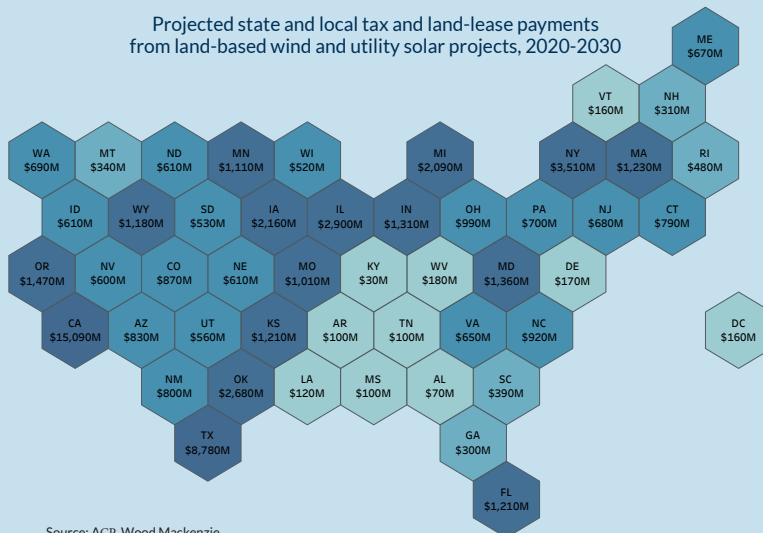
Smart and aggressive administrative and legislative action to reach a 50% renewable energy future by 2030 will:

## Support Local Economies

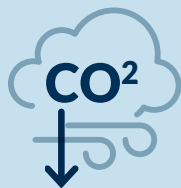
A boost to communities and local economies from **\$64 billion in state and local payments during the decade**, including \$39 billion in state and local taxes and \$25 billion in land lease payments from new wind and solar projects.

- These revenues support schools, help keep property taxes low, provide funding for emergency services and infrastructure upgrades.
- Land lease payments provide reliable income in rural America helping to keep family farms and ranches in the family.

Projected state and local tax and land-lease payments from land-based wind and utility solar projects, 2020-2030



Source: ACP, Wood Mackenzie

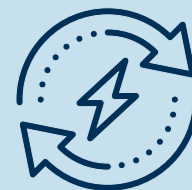


## Reduce emissions & improve our environment

In addition to reducing harmful air pollutants that can lead to asthma and other respiratory illness, this clean energy deployment will lower emissions from the electric sector by 76 percent below 2005 values, helping meet most of the target set under the Paris Agreement.

## Provide expanded access to affordable, reliable clean electricity

Wholesale electricity prices decrease and remain stable throughout the decade as low-cost renewables bring down the cost of electricity generation. Moreover, sizable grid infrastructure investment will benefit consumers by ensuring this low-cost renewable energy makes it to market, reducing congestion, and improving reliability. Study after study has shown that transmission benefits more than outweigh the costs — meaning consumers win.



## Transmission investment is critical

Transmission investment of \$70 billion to \$90 billion will be foundational in order to achieve 50% renewables by 2030.

## Transmission benefits have been shown to outweigh costs

