

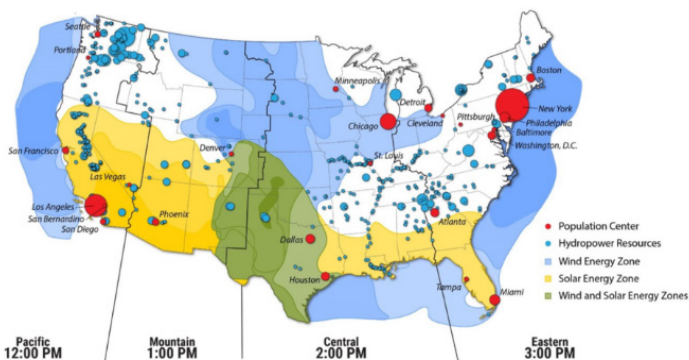


## Macro Grid Initiative

An ACORE Program

## VISION

The Macro Grid Initiative seeks to expand and upgrade the nation's transmission network to deliver job growth and economic development, a cleaner environment and lower costs for consumers.



Source: National Renewable Energy Laboratory, Interconnection Seam Study

Stitching together the major regions of the power system would allow the U.S. to unlock the nation's lowest-cost domestic resources and balance electric demand.

## BENEFITS OF TRANSMISSION

Upgrading America's transmission system by building a Macro Grid is the most cost-effective way to alleviate transmission congestion and facilitate the integration of affordable wind and solar energy. Other benefits include:

### Economic Development

A recent WIRES Group study [identified](#) \$83 billion in planned transmission projects around the country that would add \$42 billion to GDP and boost direct local spending by nearly \$39 billion.

### Job Creation

Building the 22 high-voltage transmission projects that are ready for near-term construction would create 600,000 jobs, according to a recent Americans for a Clean Energy Grid (ACEG) [report](#). The resulting wind and solar development enabled by the new transmission capacity would create an additional 640,000 jobs.

### National Security

Boosting the domestic production capabilities of all industries, including those impacting the transmission grid, is important in an era of a global pandemic and increasing geopolitical tensions. The pandemic highlighted the need to support domestic production, as companies work to improve resilience and continue delivering for customers.

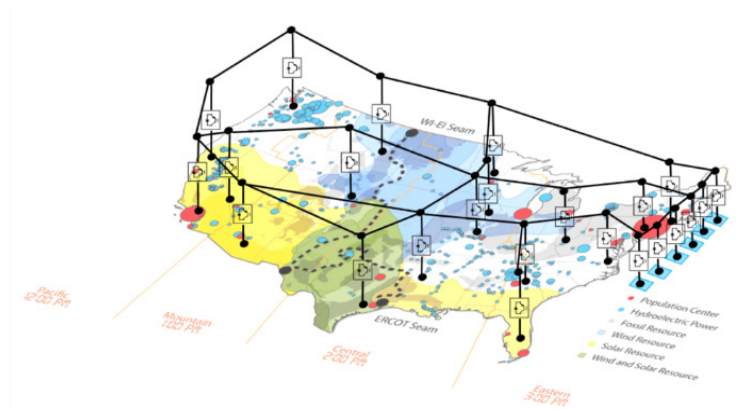
### Domestic Manufacturing

The components of upgraded and expanded transmission lines are often domestically produced. The Brattle Group [estimates](#) that 65% of transmission wires and towers are sourced domestically.

### Reliability and Resilience

Additional interregional transmission capacity can enhance grid reliability and resilience and also significantly reduce consumer costs during increasingly frequent extreme weather events, according to a [recent ACORE report](#). For example, more interregional transmission could have saved nearly \$1 billion and kept the heat on for approximately 200,000 Texas homes during Winter Storm Uri.

America's centers of high renewable resources and high electric demand often fall within different grid regions.



Source: Macro Grids in the Mainstream: An International Survey of Plans and Progress

## VISION STATEMENT SUPPORTERS



## CONTACT



[acore.org/macro-grid-initiative](https://acore.org/macro-grid-initiative)



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