America Builds Power:
The US Manufacturing Renewal

Clean energy manufacturing continues to revitalize American industry, driving job creation and economic growth across all 50 states—but future progress depends on maintaining clear, stable policies.

Key Takeaways

Manufacturing Resurgence

The American clean power industry has announced over 250 new manufacturing facilities or expansions since August 2022, creating a nationwide industrial renaissance.

Economic Powerhouse

Clean power manufacturing generates $18 billion annually in GDP and supports 122,000 high-wage American jobs.

Community Revitalization

73 percent of facilities operate in Republican states, with significant investments driving economic revitalization in the Southeast, Midwest, and Texas.

Future Benefits

$141 billion in announced investments and 500,000 projected jobs by 2030 depend on stable federal policy support.

Background

Driven in part by record-high demand for electricity from data centers, AI, and onshoring industries, clean energy manufacturing has become a cornerstone of America's industrial resurgence. ACP's new report finds this manufacturing renaissance is reversing decades of decline that saw energy manufacturing jobs drop 28% between 2000-2024, while positioning America to lead on the global stage.

Clean Energy Manufacturing Momentum

- **Nationwide presence:** Over 800 manufacturing plants currently contribute to the U.S. clean energy supply chain, with at least one in every state.
- **Primary manufacturing:** 200 existing manufacturing facilities are actively building primary clean power components across 38 states.
- **Growing investment:** Since August 2022, the industry has announced $141 billion in manufacturing investments.
- **Competitive wages:** The clean energy manufacturing workforce made on average $42,000 more than the average worker in the U.S. economy in 2024.

Economic Impact

Clean power manufacturing's economic footprint extends well beyond factory floors:

- **122,000 full-time jobs** supported.
- **$33 billion** in total annual economic activity.
- **$18 billion** added to U.S. GDP annually.

Future Potential (By 2030)

If all announced projects are completed:

- **575,000** jobs supported
- **$40 billion** in earnings
- **$86 billion** GDP contribution
- **$157 billion** in total annual output

America's Manufacturing Policy Crossroads

To maintain and grow this sector, policymakers must:

1. **Preserve Energy Tax Credits (45X, 45Y, 48C, 48E)**

   These credits for solar, wind, and energy storage manufacturing have been the most important driver for the $33 billion of annual domestic spending and the 122,000 jobs generated by new domestic clean energy manufacturing.

2. **Ensure Stable, Strategic Trade Policies**

   Trade policy must facilitate market stability, tariffs must be strategic with clear timelines to allow for certainty for American businesses, and there must be a strategic expansion of international supply partnerships to diversify sourcing and reduce exposure to geopolitical risks.

3. **Streamline Permitting**

   Establish clear, predictable, standardized permitting timelines across agencies and technologies, streamline permitting processes, align judicial review requirements for energy projects with other sectors, and expedite high impact transmission projects.

4. **Strengthen Domestic Critical Mineral Strategy**

   Leverage Executive Orders on energy and minerals to support domestic manufacturers dependent on secure, local material sourcing.

With demand for American-made energy solutions soaring, now is the time to cement U.S. leadership in clean power manufacturing. A strong, stable policy foundation will unleash the full potential of this economic engine, ensuring energy security and prosperity for decades to come.

Read ACP's newest report

America Builds Power: State of Clean Energy Manufacturing—by scanning the QR code or at cleanpower.org/resources/America-Builds-Power