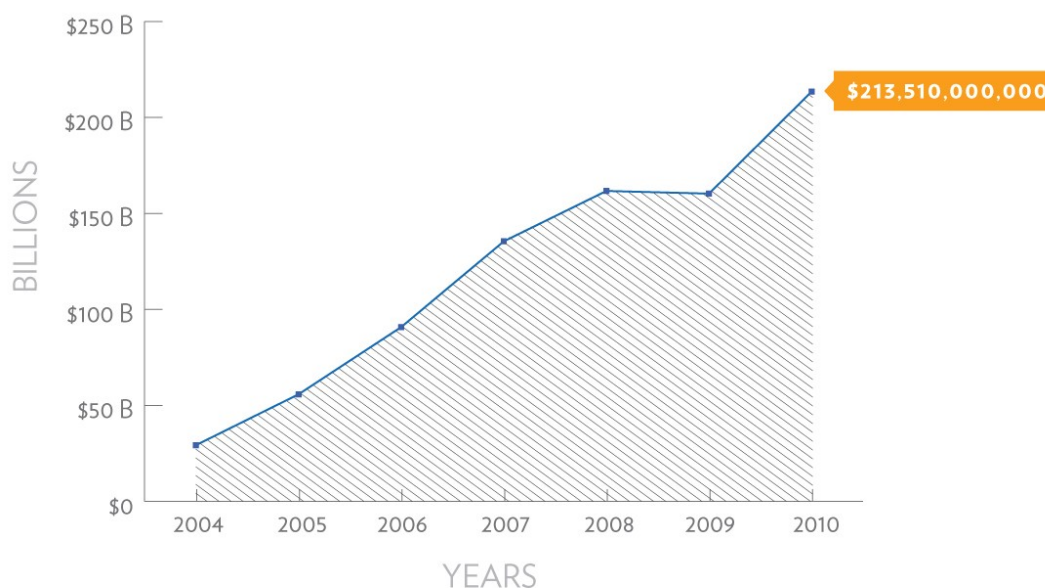


Playing to Win: The Global Clean Energy Race

There is a global race underway to lead in the development of clean energy technologies. In 2010, global investment in clean energy reached an all-time high of more than \$200 billion. Over the next decade, investment in renewable energy technologies alone may exceed \$2 trillion. As President Obama has said, “the countries that lead the clean energy economy will be the countries that lead the 21st century global economy.”

GLOBAL CLEAN ENERGY INVESTMENT

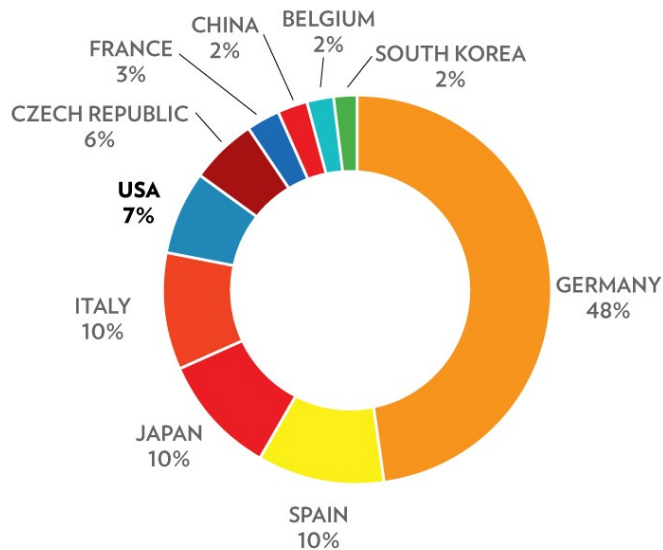


Who's Winning the Clean Energy Race, Pew Charitable Trusts (2010)

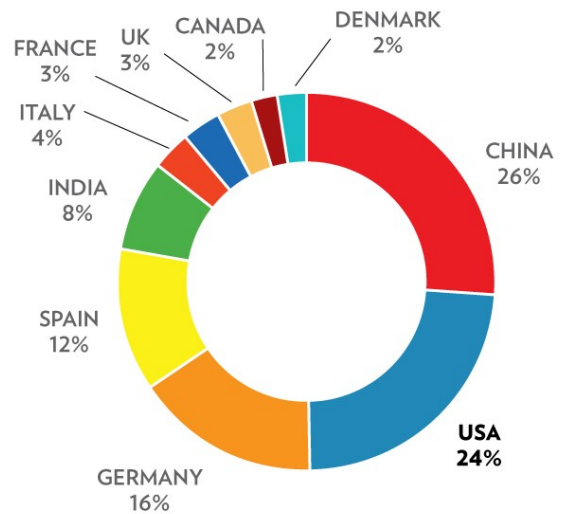
Since its founding, the United States has been a nation built on discovery and innovation. As a result, America has changed the way the world thinks about government, industry, and technology. In the clean energy sector, the United States has pioneered many important technologies. For example, America invented the photovoltaic solar panel and installed the first megawatt-sized wind turbines. Less than thirty years ago, the United States boasted more than 80 percent of the world’s wind capacity and 90 percent of its solar capacity.

Despite these early leads, the United States has lost ground since the 1980s. Today, China leads in installed wind capacity, while Germany leads in installed solar capacity. Both countries currently invest more in clean energy than the United States.

**INSTALLED SOLAR CAPACITY
TOP 10 COUNTRIES, 2010 (GW)**



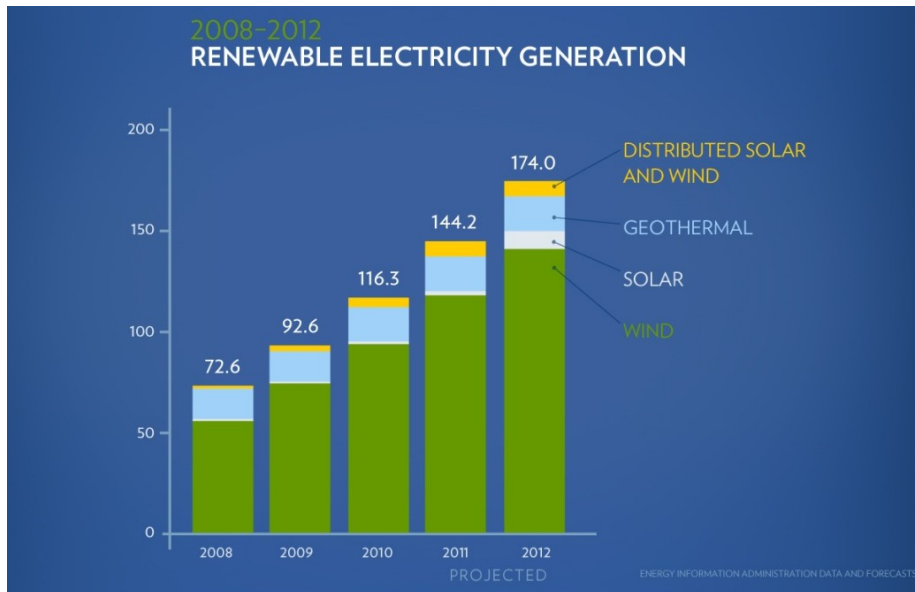
**INSTALLED WIND CAPACITY
TOP 10 COUNTRIES, 2010 (GW)**



Source: Renewables 2011 - Global Status Report, REN21 (2011)

The Obama Administration has taken historic action to reverse these trends and position the United States to win the clean energy race in the years to come. Innovation starts with teams of scientists and inventors conducting basic research and development, and the Administration has created innovative energy research programs like ARPA-E and has set several bold research goals to inspire our scientists: a “sun shot” initiative that aims to make solar power cost-competitive with fossil electricity sources by 2020; developing batteries that can take a car hundreds of miles without recharging; and technology to convert sunlight directly to fuel for our cars and trucks.

While investments in research are vital to future technology leadership, investing in the deployment of today’s clean energy technologies is also critical in addressing the energy challenges we face now, fostering a domestic market that attracts private investment and creating manufacturing and construction jobs. That’s why the Obama Administration established incentives that have catalyzed more than 16,000 wind and solar projects – putting us on track to double our renewable energy generation between 2008 and the end of this year – and helped build or upgrade more than 183 manufacturing plants for clean energy projects.



These investments are a major step in the right direction. But if the United States is going to be a clean energy leader in the years ahead, we have to set long-term goals that will continue to drive innovation and private sector investment. That’s why the Administration has established groundbreaking national fuel efficiency standards for cars and light duty trucks that will rise to an average of 54.5 miles per gallon by 2025. These standards will save American families a total of \$1.7 trillion dollars in fuel costs and will cut oil consumption by 12 billion barrels of oil, significantly contributing to the President’s goal of cutting oil imports by one-third by 2025. These standards will also spur innovation in the auto industry and help ensure the cars of the future are built right here in America.

To drive investment and innovation in the electricity sector, the Administration has set an ambitious goal of generating 80% of our electricity from clean sources by 2035. Meeting the President’s proposed target will establish the United States as a global leader in developing and manufacturing cutting-edge clean energy technologies, and will promote continued growth in the domestic clean energy industry.

The Obama Administration is committed to making the investments and advancing the policies that will position the United States to win the global clean energy race. We must seize this opportunity to spark new jobs, industries and innovations, and to leave this generation and future generations with a country that is stronger, healthier, and more prosperous.