



# Clean energy is ready to power the future

Electricity production generates the largest share of heat-trapping carbon pollution in the U.S. — nearly 40%.

Clean energy technologies drive innovation, make us more energy independent and create well-paying jobs, while improving the health of communities and our environment. Environmental Defense Fund is helping the U.S. take advantage of an unprecedented convergence of clean energy innovation, economic growth and environmental protection to turn the corner on climate change.

## Driving clean energy progress

As the cost of renewables plummets and the electric grid gets smarter, EDF is working with partners at the national and state level to clear away barriers to clean energy growth and cut carbon emissions by 50% from the U.S. power sector by 2030 (from a 2005 baseline). We are proving that people do not have to choose between a healthy environment and a thriving economy.

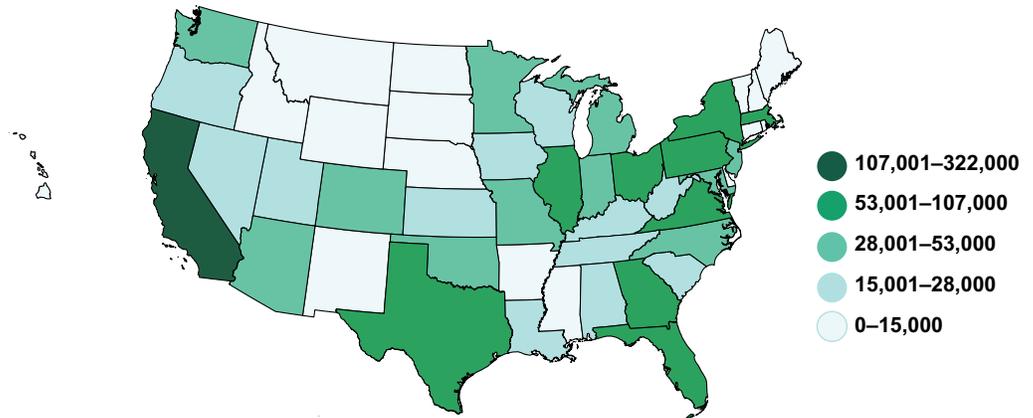
EDF is fixing old rules and advancing market-based solutions that cut pollution, boost renewables and empower people with cleaner energy choices. At a time when federal action threatens vital safeguards, states and cities are leading the way — and EDF's expertise at the local level is critical for clean energy progress.

EDF is empowering a shift toward a clean energy future and away from our fossil fuel past by:

- **Rewriting old rules** to reward conservation and clean energy
- **Modernizing the electric grid** so it is intelligent and interactive
- **Empowering customers** to make smart energy choices
- **Spurring private investment** in energy efficiency and renewables
- **Defending safeguards** that cut pollution and protect public health

The cost of wind and solar has plummeted; in some communities it is now cheaper than fossil fuels.

## Energy efficiency jobs by state



EDF is working with government, industry and NGO stakeholders to drive clean energy progress. One result is more energy efficiency, which cuts pollution, saves money and creates millions of well-paying jobs that can't be shipped overseas. Source: *Environmental Entrepreneurs*, 2016

### The opportunity of a century

Technology is transforming the way we power our lives, giving people more choice and control over their electricity use and costs. Innovations that harness this technology can lead to a world where clean energy powers our economy reliably and affordably, without threatening our

children's health. Utilities are investing billions of dollars to modernize our aging electric grid, and EDF is ensuring these upgrades benefit customers and the environment. We are advocating for smart standards and incentives that unlock the potential of the clean energy future.

### EDF in action



#### New York: Storm spurs search for safety

In the wake of Superstorm Sandy, New York considered climate preparedness — and invited EDF to participate. Today, EDF advises state leaders re-envisioning New York's energy system to reach the goal of 50% energy from clean, renewable sources by 2030. The state adopted a plan that includes environmental incentives and EDF solutions like allowing utilities to make money by increasing efficiency and cutting pollution, and requiring them to examine costs and benefits of environmental impacts when planning investments. EDF supports policy changes to cut New York's climate pollution by 33% more than existing efficiency programs.



#### Illinois: Moving from coal to clean

Five years ago, in spite of a large fleet of aging, inefficient coal plants, Illinois regulators committed to modernize the electric grid and empower customers with cleaner energy choices. After years of persistent and creative work by EDF and our partners, the historic, bipartisan Future Energy Jobs Bill passed in December 2016. The new bill will slash carbon pollution from the power sector by half, double energy efficiency, spur \$10 billion in investment and create thousands of jobs. Looking to the future, EDF supports policies that can cut carbon pollution nearly four times as much as current trends.