



The American Clean Energy and Security Act (ACES) Can Help Build the Clean Energy Economy and Solve the Climate Crisis

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We must act now to develop the clean energy sources and create the jobs that will increase our energy independence and reduce global warming pollution. Scientists overwhelmingly agree that global temperatures will continue to rise dangerously—leading to an increase in severe weather events and threats to human health—if we fail to dramatically reduce emissions of global warming pollution. Comprehensive global warming legislation will create the incentives necessary to build the clean energy economy and reduce emissions of carbon pollution. The American Clean Energy and Security Act—better known as the Waxman-Markey clean energy and climate bill—has the major ingredients to generate millions of jobs, break our dependence on oil, and reduce the pollution that causes global warming.

The Waxman-Markey Bill Provides Comprehensive Solutions

The American Clean Energy and Security Act will harness American ingenuity to provide the energy and climate solutions needed to address the climate crisis:

■ **Support for Renewable Energy and a Smart Power Grid:** The bill includes a renewable electricity standard and supports development of a smart electricity grid that will open new possibilities for renewable energy and minimize our energy transmission expenses.

■ **Standards and Incentives for Improving Energy Efficiency:** The bill requires utilities to meet goals for reducing their customer's energy use; sets new standards for building efficiency, lighting, appliances and transportation; and helps manufacturers and other industrial users to save energy. These measures will actually result in lower energy bills for many consumers.

■ **A Cap and Trade System to Limit Global Warming Pollution:** The bill sets ambitious goals for reducing global warming pollution by 83 percent below 2005 levels by 2050. This is essential to drive investments in clean energy.



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■ **A Plan for Expanding Clean Transportation Options:** This bill will provide grants and loan guarantees to cities, states, and private companies for large-scale electric vehicle demonstration projects, including fast-charging infrastructure and battery exchange stations. Additional funds are proposed to help automakers retool existing plants to build electric vehicles or buy U.S.-made vehicle batteries. The bill also includes provisions to enhance regional planning to improve the efficiency of transportation systems, providing consumers with more mobility choices such as light rail and bus rapid transit.

Building the Clean Energy Economy Will Create Millions of Jobs

The Waxman-Markey bill provides a comprehensive set of solutions to America's energy and climate challenges. It will require millions of Americans to get to work building, delivering, and installing the systems and technologies to carry us into our clean energy future. Millions already have the skills needed to do this, and many who do not will be able to obtain training through provisions in the bill. By expanding opportunities for

Americans to enter a wide range of high-paying, skilled professions such as those listed below, the Waxman-Markey bill will provide a much-needed employment stimulus.

- **Carpenters** will be needed to make buildings more energy efficient. There are about 970,000 carpenters in the United States, paid an average of more than \$18 per hour.
- **Electricians** are essential to expanding mass transit solutions. There are nearly 625,000 electricians in the United States, paid an average of more than \$21 per hour.
- **Operations managers** are needed to manufacture energy-efficient automobiles. There are nearly 1.7 million operations managers in the United States, paid an average of nearly \$43 per hour.
- **Machinists** craft essential components for wind power and other renewable energy sources. There are more than 400,000 machinists in the United States, paid an average of nearly \$17 per hour.
- **Welders** are vital to solar power manufacturing. There are nearly 390,000 welders in the United States, paid an average of more than \$15 per hour.
- **Industrial truck drivers** transport supplies and fuels for the cellulosic biofuels sector. There are nearly 1.7 million industrial truck drivers in the United States, paid an average of more than \$17 per hour.

Now is the Time to Pass Strong Climate Legislation

Simply put, strong climate and energy legislation will put more people to work than our dirty traditional energy sources. The Waxman-Markey bill will set us on a path toward increasing our energy independence, creating millions of green jobs, and reducing the carbon pollution that causes global warming and threatens our health, communities, and economy.

