

FACTS ABOUT THE AMERICAN CLEAN ENERGY AND SECURITY ACT (ACES)

The American Clean Energy and Security Act (ACES) is a comprehensive climate and energy bill that will:

- ✓ Put America back to work
- ✓ Transition the U.S. to clean, affordable energy
- ✓ Make us safer as we lessen our dependence on foreign oil
- ✓ Help America regain the mantle of leadership as the international community negotiates a global climate treaty later this year

By making buildings and homes more efficient, ramping up renewable energy generation, constructing a unified national smart grid and reducing dangerous greenhouse gas emissions, we can address our country's economic and national security challenges — all while making huge strides to solve the climate crisis. ACES would create a wide range of programs to encourage these efforts.



ENERGY EFFICIENCY

WHY: Energy efficiency will save consumers and businesses money.

ACES sets strong building code targets for energy efficiency — 30 percent by 2010 and 50 percent by 2016 for new buildings — and directs the EPA and Department of Energy to work with state and local governments to improve the efficiency of existing buildings through retrofits. Buildings are responsible for 40 percent of U.S. energy consumption, 72 percent of U.S. electricity consumption and 40 percent of U.S. greenhouse gas emissions.

ACES strengthens the efficiency standards for household appliances such as furnaces and TVs, including reward programs for best-in-class, high-performance models. By making homes and appliances more energy efficient, American families can save \$450 a year on their utility bills. This is good news for families who have seen their household's energy costs increase more than \$1,000 between 2001 and 2007.

ACES' increases in energy efficiency targets would also create millions of new construction jobs for retrofitting homes and buildings, and manufacturing jobs for those who will produce energy efficient products.



RENEWABLE ENERGY

WHY: Increasing our supply of clean energy will help reduce our dependence on foreign oil, reduce greenhouse gas emissions and stabilize energy prices.

ACES requires a national renewable energy standard (RES) that means by 2020, at least 12 percent of our electricity must come from clean, renewable energy sources like wind, solar and geothermal. This is important because electricity generation is responsible for a third of U.S. greenhouse gas emissions.

ACES also will create a nationwide RES requirement for the first time in our nation's history.

Renewable energy standards will create millions of new jobs — manufacturing jobs for those who will make component parts for wind turbines and solar panels and construction jobs for those who will build wind farms and install rooftop solar panels.

ACES also includes financial assistance for automobile manufacturers to retool their plants to make electric vehicles, breathing new life into the American auto industry.



GREENHOUSE GAS (GHG) REDUCTION TARGETS

WHY: The U.S. is responsible for 20 percent of the world's carbon dioxide (CO₂) emissions, the main cause of the climate crisis. America should be the leader in climate change solutions.

ACES institutes a cap on greenhouse gas emissions, requiring the nation's largest polluters reduce their CO₂ emissions by 17 percent below 2005 levels by 2020, 42 percent by 2030 and 83 percent by 2050. The 2020 pollution cuts would be equal to taking 500 million cars off the road.

Corporations have asked for deep emissions reductions — the Edison Electric Institute, which represents 70 percent of U.S. power producers and the U.S. Climate Action Partnership, whose members include BP, Shell, General Motors and Ford support emissions reductions targets that are nearly identical to the bill's targets.



TRANSMISSION/SMART GRID

WHY: An electricity super highway will revolutionize the way America produces, stores, delivers and uses energy.

Power outages cost the U.S. between \$119 and \$188 billion each year. Improving and expanding our power grid will save Americans money while providing a more secure and reliable electricity system. And expanding our power grid will create millions of new jobs for engineers, electricians and others in the advanced technology arena.

Smart grid technologies like smart meters enables consumers to take responsibility for the power they use and when they use it — giving them the ability to cut the cost of their own energy bills.

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About "Repower America":

The Alliance for Climate Protection, through Repower America, is educating the American people through scientific facts of the importance and urgency of adopting and implementing effective and comprehensive solutions for the climate crisis

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