

Working to Create Clean Energy Jobs

The 111th Congress



Office of Congressman Bruce Braley
U.S. Representative
Iowa's 1st Congressional District

The American
Clean Energy and
Security Act
(ACES)

Goals:

- **National Security:**
 - Reduce Dependence on Foreign Oil
- **Economic Security**
 - Create Jobs in Clean Energy
- **Climate Change**
 - **USCAP *Call for Action:***
 - Calls for “prompt enactment of national legislation in the U.S. to slow, stop and reverse the growth of greenhouse gas (GHG) emissions over the shortest time reasonably achievable.”



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Who is USCAP?



Johnson & Johnson



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The Nature Conservancy
Protecting nature. Preserving life.™



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Renewable Energy

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Ending our dependence on foreign oil and promoting Iowa renewable energy is a top priority of mine. Iowa is already a national leader in biofuels, but our state has the potential to become a world leader in the research, development, and production of renewable energy. I'm working hard in Congress to shift the United States' energy focus from the Middle East to the Midwest so we can invest more in renewable energy like ethanol and biodiesel and create the good-paying jobs of the future. The first bill I introduced in Congress was the New Era Act of 2007—a law that would create a grant program for Iowa's community colleges to offer renewable energy workforce training programs.

American Clean Energy and Security Act:

Currently, the Energy & Commerce Committee is drafting legislation to fight climate change, and I want your feedback. Below you can find more information on the first draft of the climate change legislation:

[Summary of the American Clean Energy and Security Act](#)

[Full Text \(Discussion Draft\) of the American Clean Energy and Security Act](#)

Let me know what you think about this legislation. [Click here](#) to contact me and share your opinions about the climate change bill.

Hearings:

As a member of the House Energy and Commerce Committee, I'm working to shape our energy policy. Below are the hearings I have participated in on energy and climate change:

- Healthcare
- Energy
- Recovery Package
- Waste Watchdog
- Issues

http://braley.house.gov

Title I – Clean Energy



Renewable Energy Standard (RES)

- Promotes Renewable Energy

- Retail electricity suppliers would have to generate a portion of electricity from renewables

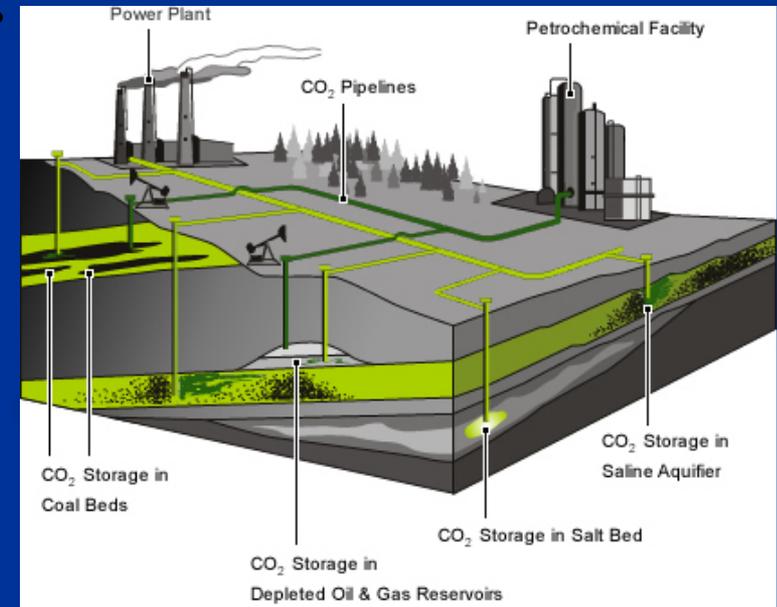
- 6% RES in 2012 and gradually rises to 25% in 2025

- Can meet 1/5 of requirement with energy efficiency



Carbon Capture and Sequestration

- Promotes CCS technologies to ensure continuing place for coal.
- CCS early demonstration project
- Incentives for wide-scale commercial deployment
- Performance standards for new coal-fired power plants



Clean Fuels and Vehicles

- Establishes Low Carbon Fuel Standard to promote advanced biofuels
 - Would not be implemented until 2023, after completion of RFS
- Provides grants or loans for large-scale demonstrations of electric vehicles



SEED Funds

- State Energy & Environment Development Fund
- Common state-level fund
 - Managing and accounting for all federal financial assistance for clean energy, energy efficiency and climate change

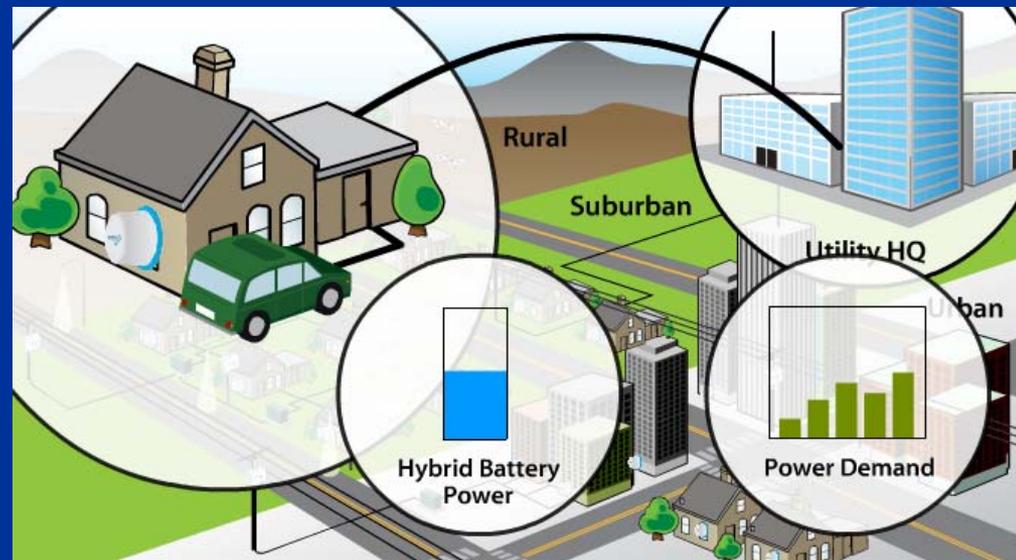
Recently Added: “Cash for Clunkers”

- Braley-introduced bill to be included in climate legislation
- Offers \$3,000 to \$7,500 incentives to buy more fuel-efficient cars or trucks
 - Boosts our economy
 - Saves families money
 - Decreases dependence on foreign oil



Smart Grid and Energy Transmission

- Facilitates deployment of a smart grid
- Helps reduce utility peak levels
- Directs FERC to reform regional planning process
 - Modernizes the electric grid
 - Provides for new transmission lines



Transmission Planning

- New transmission capacity for renewable energy
- More efficient operation of current grid through:
 - New technology
 - Demand-side management
 - Storage capacity

Title II – Energy Efficiency



Building Energy Efficiency

- Provides assistance to states that adopt advanced building efficiency codes
- Authorizes funding for retrofitting buildings
- Directs the EPA to develop procedures for rating building energy efficiency



Braley REEP Program (Sec. 202)

- Retrofit for Energy and Environmental Performance
- Introduced March 26th with Rep. Peter Welch
- Residential and Commercial financial incentives, including energy audits
 - Homeowners: \$1000 - \$3000
 - Businesses: \$0.15/sq ft - \$2.50/sq ft

Appliance Energy Efficiency

- Sets energy standards for lighting and other appliances
- Improves cost-effectiveness standards and disclosure
- Creates incentives for sales of “Best-in-Class” appliances



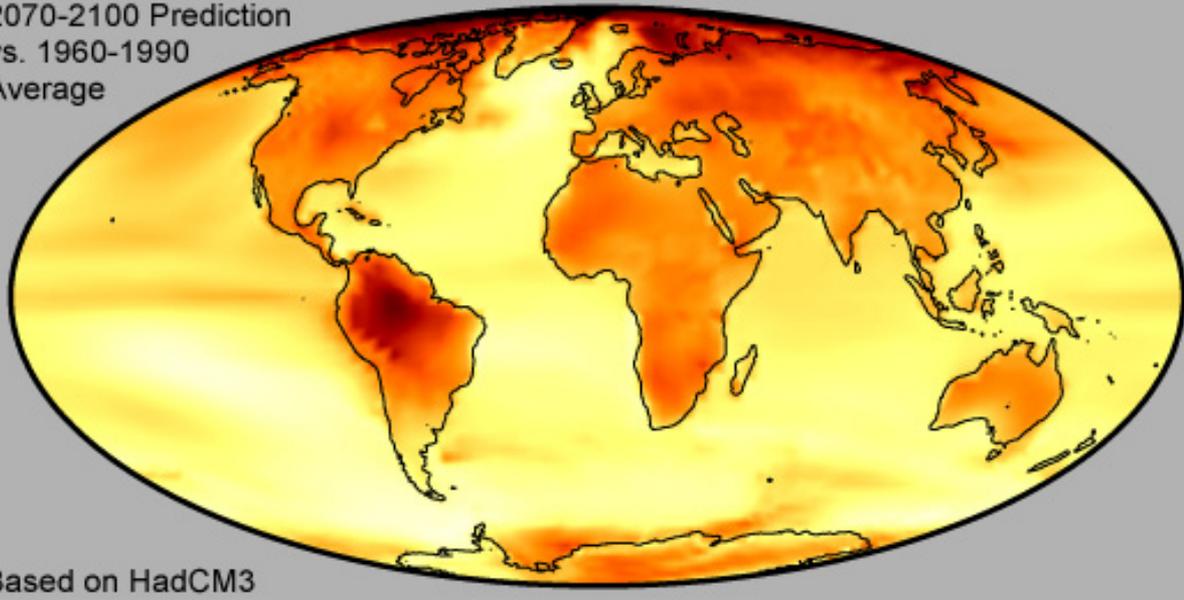
Other Efficiencies

- Transportation
- Utilities
- Industrial energy
- Public Institutions

Title III – Reducing Global Warming Pollution

Global Warming Predictions

2070-2100 Prediction
vs. 1960-1990
Average



Based on HadCM3



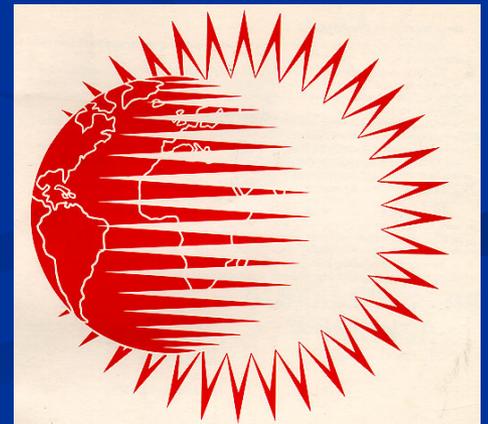
Temperature Increase (°C)

Designated Greenhouse Gases:

- Carbon dioxide
- Methane
- Nitrous oxide
- Sulfur hexafluoride
- Hydrofluorocarbons (HFCs)
- Perfluorocarbons
- Nitrogen trifluoride

Global Warming Pollution Reduction Program

- Establishes market-based program for reducing carbon emissions
- Only covers businesses or utilities that emit more than 25,000 tons of carbon dioxide or equivalent per year
 - Collectively responsible for 85% of all emissions
- Covered entities must have “allowances” for each ton of pollution emitted
- **Provides blanket exemption for agriculture**



Offsets

- Allows covered entities to increase emissions above their allowances if they can obtain offsets at a lower price.
- Unlimited banking of offsets and allowances
- Free borrowing from following year if needed
- Large strategic reserve
- Supplements strategic reserve with forest carbon offsets from private parties

Carbon Market Assurance and Oversight

- Provides for strict oversight and regulation of new markets for carbon allowances and offsets.
- Ensures market transparency and establishes strict penalties for fraud.



Title IV – Transitioning to a Clean Energy Economy



Ensuring Domestic Competitiveness

- Ensures U.S. manufacturers are not put at a competitive disadvantage against foreign companies
- Sectors that are energy intensive and trade sensitive would get rebates.
- If the rebates do not correct imbalances, the President is directed to establish a “border adjustment” program



Green Jobs and Worker Transition

- Promotes green jobs
- Awards grants for development of clean energy jobs in:
 - Renewable energy
 - Energy efficiency retrofitting
 - Climate change mitigation
- Will include worker transition section
- Has potential to create **millions** of jobs



Suggested Uses for Allowances

- Investments in renewables and energy efficiency
- Investment in training for clean energy jobs
- Rebates to lower- and middle-income families to balance energy costs
- Assistance to regions dependent on carbon-intensive energy sources
- Help communities adapt to the effects of climate change
- Ease transition for energy intensive and trade sensitive businesses

Congressman Braley's Contact Information

- <http://braley.house.gov/>
- DC office number: (202) 225-2911
1408 Longworth H.O.B.
Washington, DC 20515
- Davenport office number: (563) 323-5988
209 West 4th St
Davenport, IA 52801
- Dubuque office number: (563) 557-7789
350 West 6th St, Suite 222
Dubuque, IA 52001
- Waterloo office number: (319) 287-3233
501 Sycamore St., Suite 623
Waterloo, IA 50703