



**Waxman-Markey Draft Energy/Climate Bill Summary**  
***Rebuild America Clean and Green***

<p>Energy Efficiency</p>	<ul style="list-style-type: none"> <li>• Amends national model building energy code to improve energy efficiency by 30% immediately, and 50% standard by 2016 or later. Incentive funding will be allotted to States to meet these requirements.</li> <li>• Establishes the Retrofit for Energy and Environmental Performance (REEP) program, which will facilitate retrofit projects through federal assistance to state and local agencies through State Energy Programs. Funding recipients must adhere to retrofit standards TBD by Sec of Energy. REEP funds may support building-by-building retrofits by providing seed capital for revolving loan programs, credit enhancement or interest rate subsidies, utility-sponsored programs with on-bill repayment, or other forms of financial assistance. Audits and retrofits may be performed by utilities, contractors, or non-profit agencies. Limits on retrofits are as follows:             <ul style="list-style-type: none"> <li>○ For residential units, \$500 for an audit, and up to \$4500 for retrofit work resulting in at least 10% energy reduction; maximum of \$1200 for retrofits resulting in 35% water use reduction.</li> <li>○ For commercial units: \$1000 for an audit; financial assistance between \$0.15-\$2.50/sq. ft. depending on results of retrofit; financial assistance between \$24-\$30/1000 gallons per year of water conservation, depending on results; \$1000 each for improvements in natural lighting, indoor air quality, renewable materials, etc.</li> </ul> </li> <li>• Provides grants to state agencies to help low income families living in pre-1976 manufactured homes to buy new, EnergyStar rated manufactured homes. Rebates to homeowners must not exceed \$7500.</li> <li>• Establishes building energy performance labeling program for residential and commercial buildings, allows incentives to be developed to utilize rating system</li> <li>• Establishes efficiency standards for lighting and “other” appliances (e.g. water dispensers).</li> <li>• Establishes Energy Conservation Standard for appliances</li> <li>• Establishes Best-In Class Appliance Deployment program to provide financial rewards to retailers for increasing sales of highest efficiency appliances.</li> <li>• Establishes nationwide Energy Efficiency Resource Standard requiring utilities to achieve a savings of 15% below electricity baseline by 2020, and 10% below natural gas baseline by 2020. Encourages use of CHP and other efficiency technologies to achieve savings.</li> <li>• Requires the Secretary of Energy to develop industrial plant energy efficiency standards</li> <li>• Provides financial awards to nuclear or fossil fuel electricity generators for developing ways of re-using thermal</li> </ul>
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	<p>energy. Award is equal to 25% of the value of energy recovered.</p> <ul style="list-style-type: none"> <li>Amends EISA 2007 to include nonprofit hospitals and public health facilities among public institutions eligible for grants and loans for energy efficiency. Requires competition before task orders are awarded by federal agencies under energy savings performance contracts</li> <li>Establishes State Energy and Environment Development (SEED) fund, including a revolving fund, for managing and accounting federal clean energy/efficiency dollars, including WAP, LIHEAP, EECBG, SEP, and Recovery Act funds</li> </ul>
Renewable Energy	<ul style="list-style-type: none"> <li>Establishes a federal Renewable Electricity Standard of 25% by 2025. Allows biomass or landfill gas, wind, solar, geothermal, marine and hydrokinetic, and qualified hydropower to meet standard. Allows states to meet up to one-fifth of requirement with efficiency measures. Allows credit multiplier of 3 per megawatt hour of distributed generation.</li> <li>Allows federal government to establish contracts of up to 30 years for renewable electricity generation</li> </ul>
Grid Upgrades	<ul style="list-style-type: none"> <li>Allows for electric vehicles to be associated with customer's electricity account regardless of charging location.</li> <li>Incorporates SmartGrid products into EnergyStar program and makes these products eligible for rebate</li> <li>States, load-serving entities, and regional entities must establish peak demand reduction goals.</li> <li>The Federal Energy Regulatory Commission must develop a set of planning principles for electricity transmission that will facilitate the deployment of renewable energy. Commission will serve as support and mediator to regional transmission development entities.</li> <li>Includes smart grid features in appliance rebate program</li> </ul>
Carbon Capture and Sequestration	<ul style="list-style-type: none"> <li>Establishes a Carbon Storage Research Corporation to accelerate commercial demonstration of CCS through grants, contracts, and assistance to utilities, universities, and laboratories. Funded through tax on fossil fuel deliveries by distributors.</li> <li>Establishes a program to distribute funding to projects actively implementing CCS on for a 250+MW facility.</li> <li>Stipulates that all coal plants coming online in 2015 or later must not emit more than 1100 tons of CO2/MWh</li> </ul>
Public Transit	<ul style="list-style-type: none"> <li>Within three years, all states must have developed comprehensive plan to reduce transportation emissions. Strategies include expanded public transit, better land use planning, ped/bike/telecommute accommodations, etc. <ul style="list-style-type: none"> <li>Secretary of Transportation may award competitive grants to metropolitan planning orgs. to implement plan.</li> </ul> </li> <li>Establishes SmartWay Transportation program within DOE to quantify and promote benefits of emissions-reducing transportation products and strategies. Provides financing to gov'ts, companies, or NGOs for the purpose of giving loans/leases to public/private entities to facilitate program's goals.</li> </ul>
<b><i>Make it in America</i></b>	
Domestic Manufacturing	<ul style="list-style-type: none"> <li>Establishes Vehicle Manufacturing Assistance Program. Provides financial assistance to auto manufacturers to be used for retooling and purchasing domestic vehicle batteries.</li> <li>Financial awards given to manufacturers that mass-produce highest-efficiency products.</li> <li>Provides rebates to companies in certain industrial sectors to compensate for additional costs under emissions</li> </ul>

	regulations. Rebate amounts determined through complex formula. Rebate amounts subject to drawdown after 2020.
Alternative-Fuels	<ul style="list-style-type: none"> <li>Establishes a low carbon fuel standard of 10% below baseline emissions by 2030</li> </ul>
Alternative Fuel Vehicles	<ul style="list-style-type: none"> <li>Requires utilities to develop a plan for building infrastructure to support Plug-in Hybrid Electric Vehicles</li> <li>Establishes DOE program for large-scale deployment of PHEVs</li> <li>Gives President authority to establish motor vehicle emissions standard equal to or tougher than California's AB 1493</li> <li>Allows for the development of emissions standards for heavy-duty vehicles and engines</li> </ul>
<b><i>Restore America's Technological Leadership</i></b>	
Climate Change Research	<ul style="list-style-type: none"> <li>Establishes a National Climate Change Adaptation Council to develop adaptation plans and vulnerability assessments, develop policy recommendations, and provide information to state and local governments involved in adaptation planning. Provides funding to federal agencies to implement adaptation plans.</li> </ul>
Technology Export	<ul style="list-style-type: none"> <li>Establishes fund to support export of clean technologies to developing countries</li> </ul>
<b><i>Tap the Productivity of the American People</i></b>	
Green Jobs Training	<ul style="list-style-type: none"> <li>Establishes grants through the Secretary of Education to eligible partnerships to develop training for careers in EE and RE at the secondary and post-secondary level (see Perkins Act of 2006 for eligibility). Partnerships must include an education agency, post-secondary institution, and community reps. including business and labor.</li> <li>Provides Workforce Training and Education grants through DOL to institutions of higher learning to provide education and workforce training in renewable energy, green construction, green chemistry, water and energy conservation, sustainable agriculture and culinary practices, smart grid technology, advanced vehicle technology, transmission grid upgrades. <ul style="list-style-type: none"> <li>Prevailing wage rate requirement for recipients of support under this subtitle</li> </ul> </li> </ul>
<b><i>Other Items Worth Noting</i></b>	
Clean Energy Financing	<p><b>HR 1698 - Green Energy Bank of 2009; (Van Hollen) Introduced 3/24/09</b></p> <ul style="list-style-type: none"> <li>Financing that would stimulate and support domestic manufacturing of finished products or component parts used in clean energy projects or energy efficiency projects.</li> <li>An initial capitalization of \$10 billion, up to \$50 billion at Treasury's discretion.</li> <li>To be headed up by secretaries of Treasury, Energy, Interior, Agriculture and others.</li> <li>The Green Bank will use multiple funding instruments: direct loans, loan guarantees, debt securitization, insurance, portfolio insurance, etc; not to exceed 80 percent of project cost.</li> <li>The Bank would foster: energy efficiency potential in existing infrastructure; fostering long-term domestic manufacturing capacity in clean energy and energy efficiency industries; achieving job creation.</li> <li>Eligibility: domestic manufacturing of solar, wind, geothermal, biomass, hydro, ocean, fuel cell, advanced battery, CCS, next-generation biofuels, nuclear.</li> <li>Funded projects would be subject to Davis-Bacon requirements.</li> </ul>