

## Selected 2008 Presidential Candidate Energy/Climate Profiles

Hillary Clinton	Barack Obama	John Edwards	Mitt Romney	John McCain	Rudy Giuliani
<p><u>Vision</u> Powering America’s future: new energy, new jobs</p> <p><u>Key Goals and Supporting Policies</u> <b>Government to:</b></p> <ul style="list-style-type: none"> <li>▪ Set goal to reduce GHGs 80% by 2050</li> <li>▪ Create market-based cap-and-trade program that auctions 100% of permits</li> <li>▪ <i>Restore federal energy leadership</i> – all new federal buildings to be CO2-neutral from 2009; update federal energy efficiency standards for public housing; strengthen national building codes; make Energy efficiency core mission of GSA, GSA to lead gov’t-wide ‘energy audit and install cost-effective retro-fits in all federal buildings within 5 yrs.</li> </ul> <p><b>Utilities:</b></p> <ul style="list-style-type: none"> <li>▪ <i>Efficiency</i> – reduce electricity demand 20% from projected levels by 2020; change way utilities do business; modernize the grid using ‘smart grid’ technology; phase out incandescents.</li> <li>▪ <i>Renewables</i> – set national target to produce 25% of electricity from renewables by 2025.</li> <li>▪ <i>Nuclear</i> – strengthen the NRC and direct it to improve safety and security at plants.</li> </ul>	<p><u>Vision</u> Meet our energy needs</p> <p><u>Key Goals and Supporting Policies</u> <b>100% auction cap-and-trade program</b></p> <ul style="list-style-type: none"> <li>▪ Implement economy-wide cap-and-trade program with 100% allowance auction to reduce GHG emissions 80% below 1990 levels by 2050.</li> </ul> <p><b>Invest in a Clean Energy Economy and create U.S. jobs</b> <b>Investment</b> Invest \$150B over 10 years to develop and commercialize clean energy technologies in the U.S.</p> <ol style="list-style-type: none"> <li>1) <i>Basic research</i> – double federal science &amp; research funding for clean energy projects; invest in skilled clean technologies workforce.</li> <li>2) <i>Technology demonstration</i> – develop next generation of biofuels; expand locally-owned refineries; develop and deploy clean coal technology; Lead federal effort to find safe, long-term disposal solution for nuclear waste.</li> <li>3) <i>Clean technology deployment and market creation</i> – create a Clean Technologies Deployment Venture Capital Fund to partner with existing investment funds and the National Labs to bridge ‘valley of death’; extend the renewable PTC for 5 years; establish</li> </ol>	<p><u>Vision</u> Achieve energy independence &amp; stop global warming through a New Energy Economy</p> <p><u>Key Goals and Supporting Policies</u> <b>Halt global warming by:</b></p> <ul style="list-style-type: none"> <li>▪ Set economy-wide GHG cap.</li> <li>▪ Lead world to a new int’l climate change treaty.</li> </ul> <p><b>Create New Energy Economy &amp; 1M new jobs by:</b> <b>Investing in renewable electricity</b></p> <ul style="list-style-type: none"> <li>▪ Create \$13B/yr New Energy Economy Fund (NEEF), financed through sale of GHG permits and review of tax subsidies.</li> <li>▪ Mandate Power companies to generate 25% of their energy from renewables by 2025.</li> <li>▪ Double DOE’s Research budget.</li> <li>▪ Invest \$1B/yr in CO2 Capture &amp; Sequestration</li> <li>▪ Set national goal to reduce oil imports by 7.5M barrels/day by 2025.</li> </ul> <p><b>Transforming the auto industry</b></p> <ul style="list-style-type: none"> <li>▪ Provide \$1B/yr from NEEF to help U.S. automakers modernize.</li> <li>▪ Raise CAFE standards to 40MPG by 2016.</li> <li>▪ <i>Spur ethanol industry</i> through and NEEF financing and mandates – oil companies to provide ethanol at 25% of their gas stations and all new cars</li> </ul>	<p><u>Vision</u> Achieve energy independence through innovation.</p> <p><u>Key Goals and Supporting Policies</u> <b>Investment</b> Invest in research – dramatically increase federal funding spending on RD&amp;D projects that can diversify U.S. supply and increase energy efficiency, including:</p> <ol style="list-style-type: none"> <li>1) Basic research in key technologies like improved energy storage</li> <li>2) Commercialization of large scale renewables and advanced nuclear technologies to bring clean energy technologies to market</li> <li>3) Improved smart-grid technology for power distribution</li> <li>4) Clean, efficient uses of existing fossil fuels, e.g. clean coal, coal-to-liquids CO2 sequestration</li> </ol> <p><b>Energy Security</b> Shift federal priorities to emphasize issues of energy security, particularly at DOE.</p> <p><b>Nuclear</b> Accelerate construction of new nuclear power plants.</p> <p><b>Increase Domestic Production</b> Pursue domestic sources of energy, including offshore drilling and opening ANWAR.</p>	<p><u>Vision</u> Limit CO2 emission by harnessing market forces that will bring advanced technologies, such as nuclear energy, to the market faster, reduce out dependence on foreign supplies of energy, and see to it that America leads in a way that ensures all nations do their rightful share.</p>	<p><u>Vision</u> Invest in energy independence; and seize the subsequent potential export opportunities.</p>

## Selected 2008 Presidential Candidate Energy/Climate Profiles

<p><b>Oil and energy industry:</b></p> <ul style="list-style-type: none"> <li>▪ Create \$50B Strategic Energy Fund to invest over 10yrs in the RD&amp;D of renewables, energy efficiency, clean coal tech and biofuels; eliminate oil company tax breaks; make oil companies pay royalties for drilling on public lands</li> <li>▪ <i>Spur biofuel production</i> – raise the national RFS to 36B gallons/ yr by 2022 and to 60B gallons by 2030.</li> </ul> <p><b>Auto industry:</b></p> <ul style="list-style-type: none"> <li>▪ Increase CAFE standards to 40 MPG by 2020 and 55 MPG 2030.</li> <li>▪ <i>Help automakers</i> – authorize \$20B in low-interest ‘Green Vehicle Bonds’; provide tax credit for qualifying private and public retiree health plans to offset portion of expenditures</li> <li>▪ <i>PHEVs</i> – accelerate production by investing \$2B in R&amp;D in battery technologies; offer consumer tax credits; add 100,000 PHEVs to the federal fleet by 2015.</li> </ul> <p><b>Industry &amp; Energy Efficiency:</b></p> <ul style="list-style-type: none"> <li>▪ Direct DOE to update existing efficiency standards and set tough new standards for appliances that do not have them.</li> <li>▪ Establish PSE, Carbon Reduction Mortgage Association, to help homeowners improve their energy efficiency and commit \$1B/yr to the program.</li> </ul>	<p>federal investment program to convert manufacturing centers into clean technology leaders.</p> <p>4) <i>Set standards to drive investment</i> – establish national Low Carbon Fuel Standard, requiring fuels suppliers to reduce the CO2 their fuel emits by 10% by 2020; establish federal electricity RPS of 25% by 2025; ensure 30% of federal gov’t electricity is from renewables by 2020.</p> <p><b>Energy Efficiency</b></p> <ul style="list-style-type: none"> <li>▪ <i>Federal gov’t</i> – all new federal buildings to be zero-emissions by 2025; overhaul federal efficiency codes.</li> <li>▪ <i>Buildings</i> – set national goal of improving new building efficiency by 50% and existing buildings by 25% in 10yrs; establish grant program for early adopters; flip incentives to energy utilities; expand federal efficiency grants.</li> <li>▪ Phase out traditional incandescents by 2014.</li> <li>▪ Invest in digital smart Grid</li> </ul> <p><b>Oil security &amp; independence</b></p> <ul style="list-style-type: none"> <li>▪ Double CAFE within 18 yrs while providing support for U.S. automakers.</li> <li>▪ Invest in developing advanced vehicle technology.</li> <li>▪ <i>Build biofuels distribution infrastructure</i> – mandate all new vehicles are FFVs and increase RFS to 36B gallons by 2022.</li> </ul>	<p>sold after 2010 to be FFVs.</p> <p><b>Meet next decade’s new electricity demand through efficiency by:</b></p> <ul style="list-style-type: none"> <li>▪ Make efficiency profitable for utilities.</li> <li>▪ Expand smart metering and smart grids.</li> <li>▪ Raise federal efficiency standards for appliances and call on states to update their buildings codes.</li> <li>▪ Set goal to reduce Fed Gov’t energy by 20%.</li> </ul> <p><u>Principles:</u></p> <ul style="list-style-type: none"> <li>▪ Does not favor Nuclear energy.</li> </ul>			
---	---	--	--	--	--

## Selected 2008 Presidential Candidate Energy/Climate Profiles

<ul style="list-style-type: none"> <li>▪ Require SEC to adopt obligatory corporate disclosure of financial risks posed by global warming.</li> </ul> <p><b>Local communities:</b></p> <ul style="list-style-type: none"> <li>▪ Weatherize 20M low-income homes over 8 yrs; create Green Building Fund to allocate \$1B/yr to states to make grants or low-interest loans to improve energy efficiency in public buildings; create ‘green collar’ jobs training program.</li> <li>▪ Increase federal funding for public transit by \$1.5B/yr; invest \$1B in intercity passenger rail systems.</li> </ul> <p><b>Coal industry:</b> Accelerate the development of clean coal by putting immediate funding to 10 large scale CC&amp;S projects; require all new coal plants to be CC&amp;S-capable when it becomes commercially viable.</p> <p><b>Individual:</b> Invest in CO2 footprint measurement tools for individuals and local communities; direct the Treasury to issue new ‘Energy Independence Bonds’ (U.S. Savings Bonds) with goal of selling 50M bonds over 10yrs.</p> <p><b>U.S. leadership on int’l energy and climate change:</b></p> <ul style="list-style-type: none"> <li>▪ Lead the development of a post-Kyoto Treaty; establish an E-8 comprised of the world’s major CO2-emitters</li> <li>▪ Promote reforestation and slow</li> </ul>	<ul style="list-style-type: none"> <li>▪ <i>Build sustainable communities</i> – reform federal transportation funding; require states to plan for energy conservation; reform tax code to level employer incentives for driving and public transport.</li> </ul> <p><b>U.S. to lead on climate change</b></p> <ul style="list-style-type: none"> <li>▪ Reengage the UNFCCC</li> <li>▪ Create new forum of largest GHG emitters</li> <li>▪ Cooperate with oil importers to reduce demand</li> <li>▪ Work with developing countries on climate change</li> <li>▪ Confront deforestation and promote CO2sequestration.</li> </ul> <p><u>Principles:</u></p> <ul style="list-style-type: none"> <li>▪ Says that Yucca Mountain is not an option for nuclear waste storage.</li> </ul>				
--	---	--	--	--	--

## Selected 2008 Presidential Candidate Energy/Climate Profiles

<p>deforestation</p> <ul style="list-style-type: none"> <li>▪ Increase energy security by reforming the IEA to allow consuming states to more effectively pool intelligence and consumer power and engage China and India</li> </ul> <p><b><i>Executive branch:</i></b> Create a National Energy Council to bring together agencies across the federal gov't and coordinate and implement the energy/climate agenda.</p> <p><u>Principles:</u> Opposes new subsidies for nuclear power and will terminate work at Yucca Mountain.</p>					
---	--	--	--	--	--