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Green Jobs

Rebuilding Communities for a Clean Energy Economy

Bracken Hendricks, Senior Fellow
Washington DC. June 11, 2009
U.S. Department of Housing & Urban Development

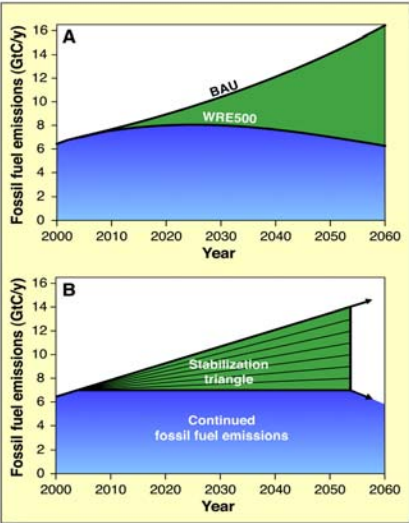
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Progressive Ideas for a Strong, Just, and Free America

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Reducing Carbon Emissions

What will it take to get the job done?



The Princeton Wedges

1 Wedge = 1b tons carbon in 10 yrs.

- Cut VMT from 10k to 5k miles/year for 2billion cars
- Double fuel economy for 2b cars
- Geologic carbon storage (CCS) 3,500 times Sleipner
- No tropical deforestation
- Conservation tillage on all crop land
- Cut emissions 1/4 for ALL buildings & appliances
- Install 50 times current global wind capacity while replacing coal
- Install 700 times current solar power

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We are under investing in infrastructure & Drawing down the capital of our communities

ASCE: 2.2 Trillion Dollars in unmet needs (D- grade)

Green Strategies can drive smart reinvestment

- Transit
- Rail
- Fuels
- Storm water
- Public buildings
- Smart grid
- Energy efficiency at scale

These core public investments enable new markets, business growth, global competitiveness, and provide alternatives to mounting environmental crisis.

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"Green Recovery" Report: 2 million jobs?

Findings

\$100 Billion Investment over 2 years

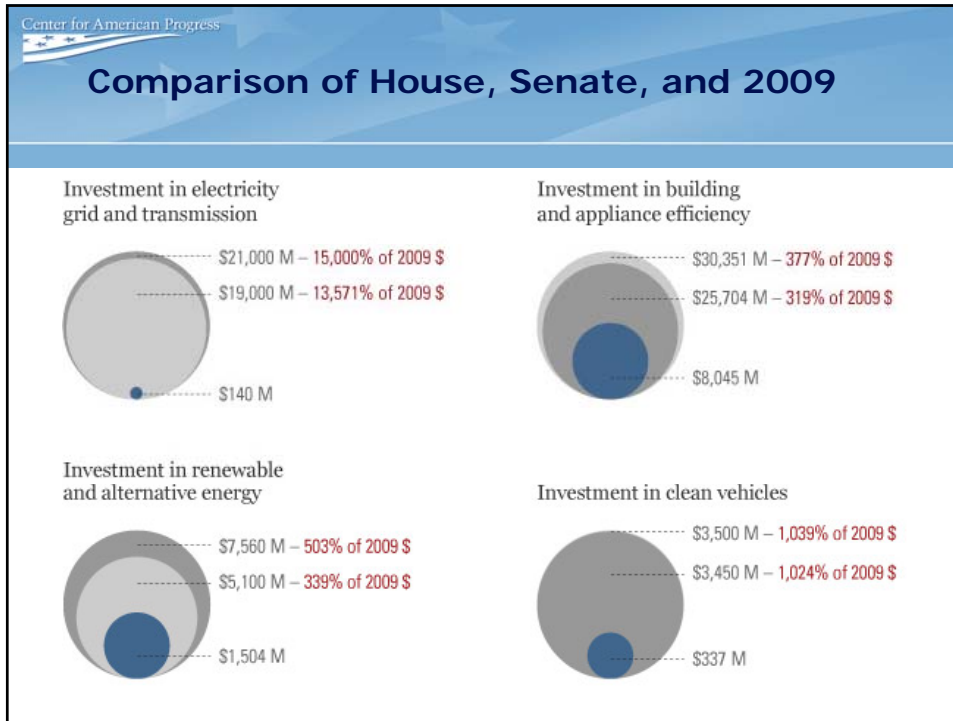
6 Efficiency & Renewables Strategies

- Building Retrofits, Transit & Rail, Smart Grid
- Wind, Solar, Advanced Biofuels

2 Million Jobs

- 4 times more jobs than Oil investment
- 3 times more good jobs over \$16/hr.
- 300,000 more jobs than Consumption Stimulus
- 800,000 jobs in construction & manufacturing

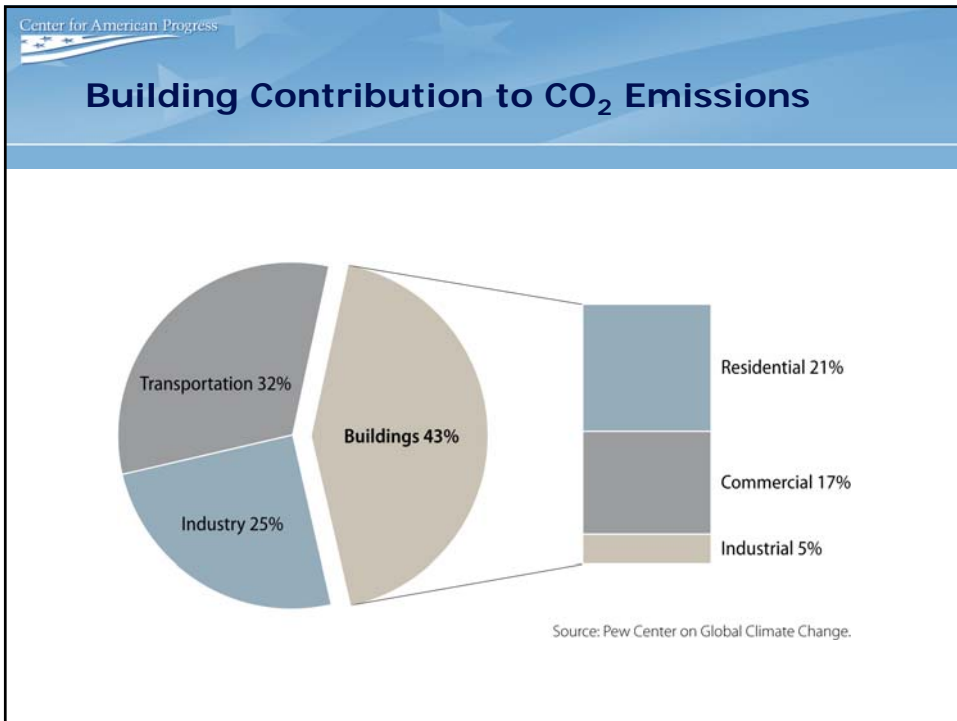
Clean Energy = More Jobs + Better Jobs

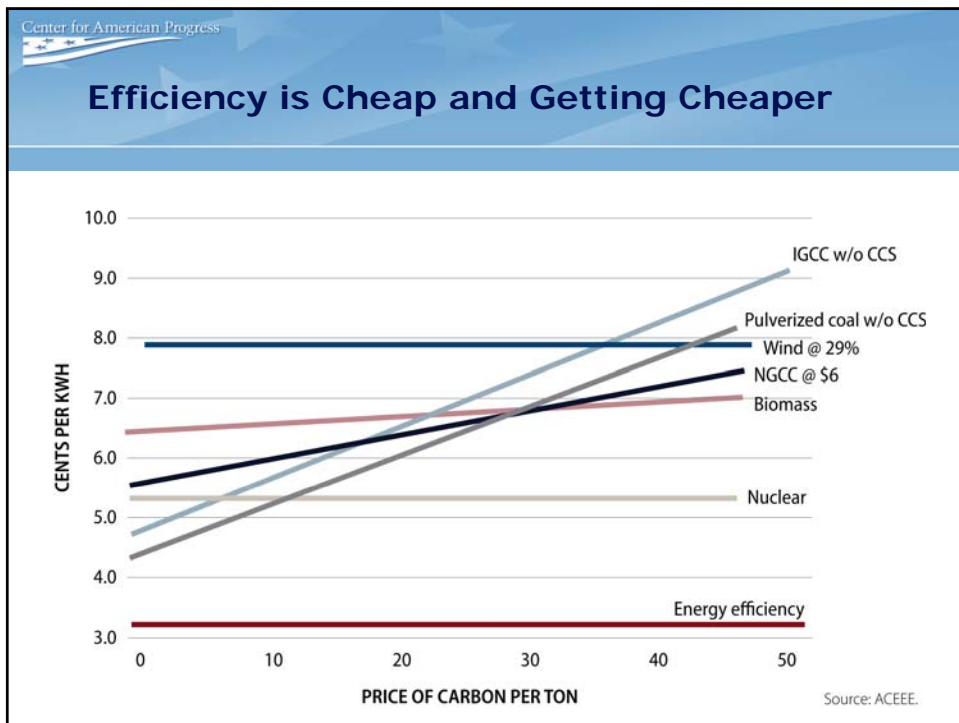
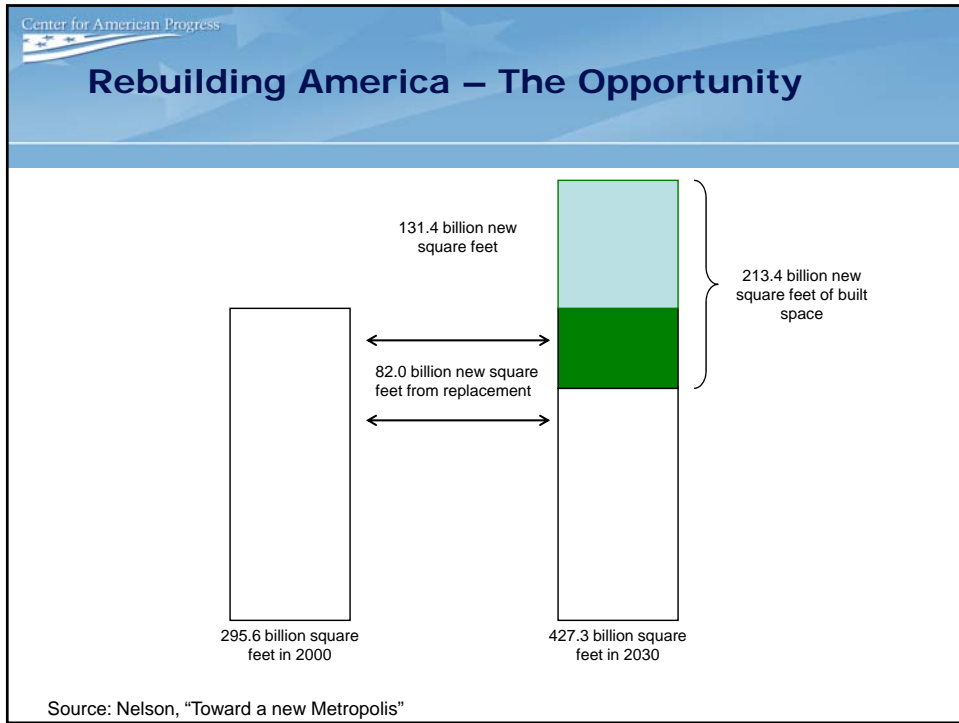


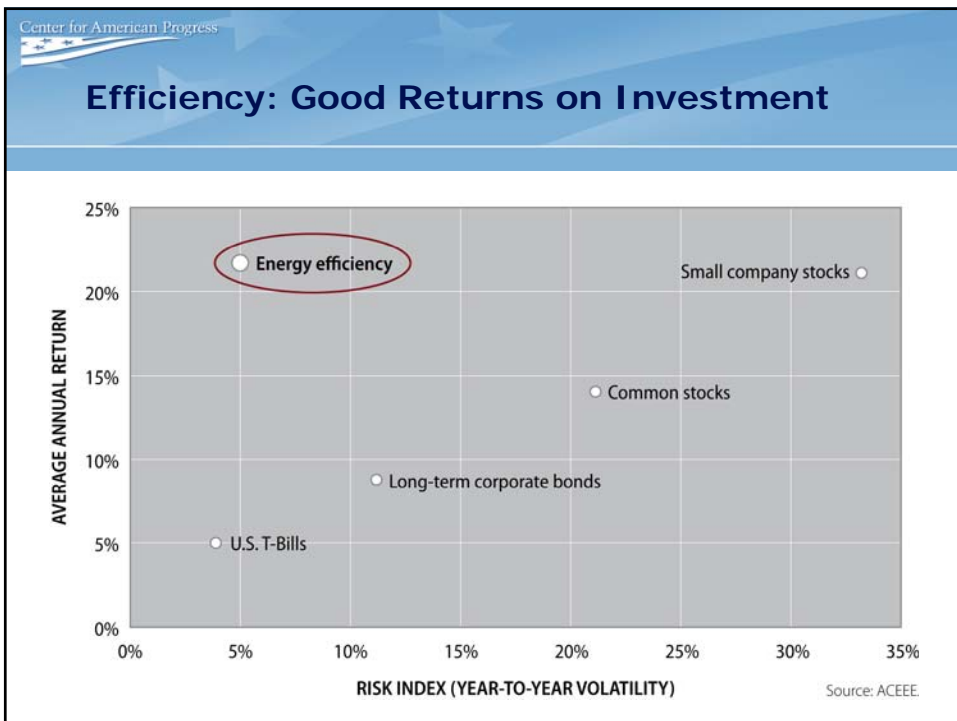
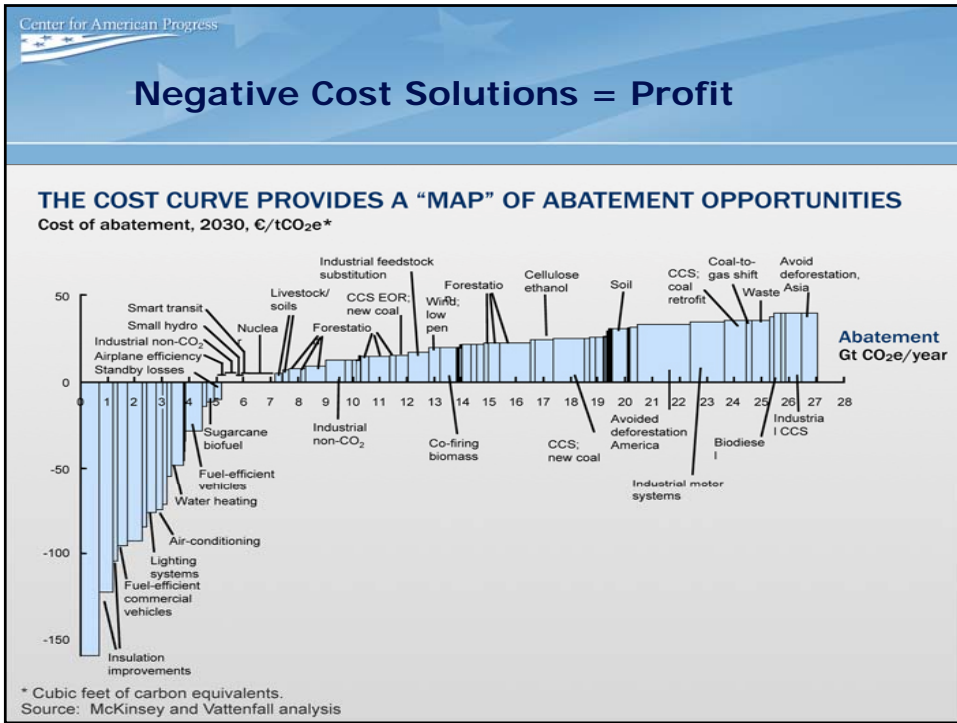
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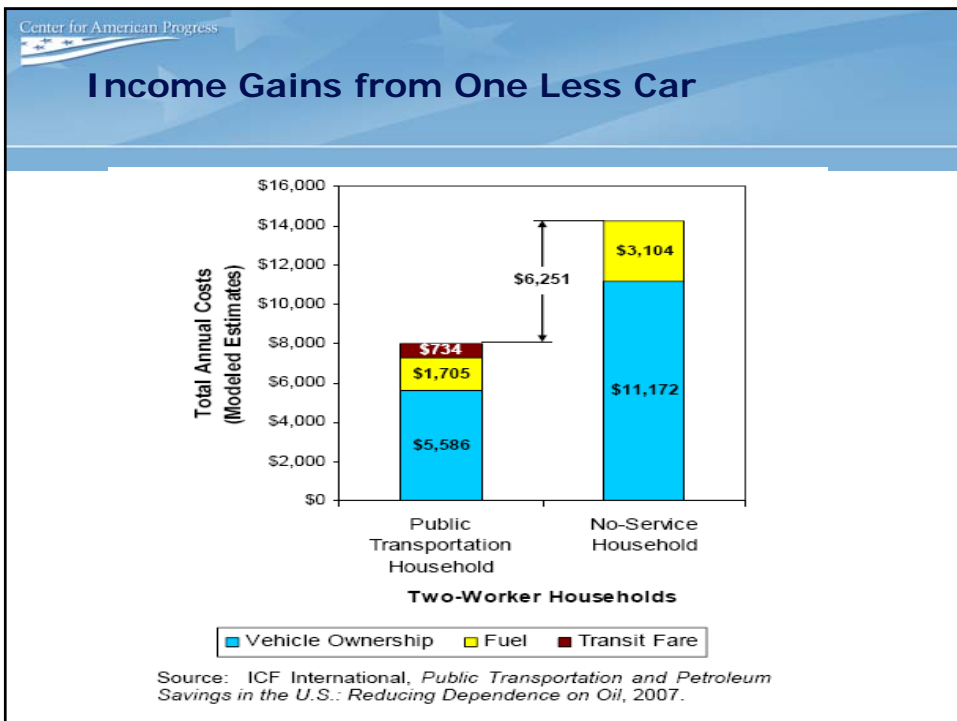
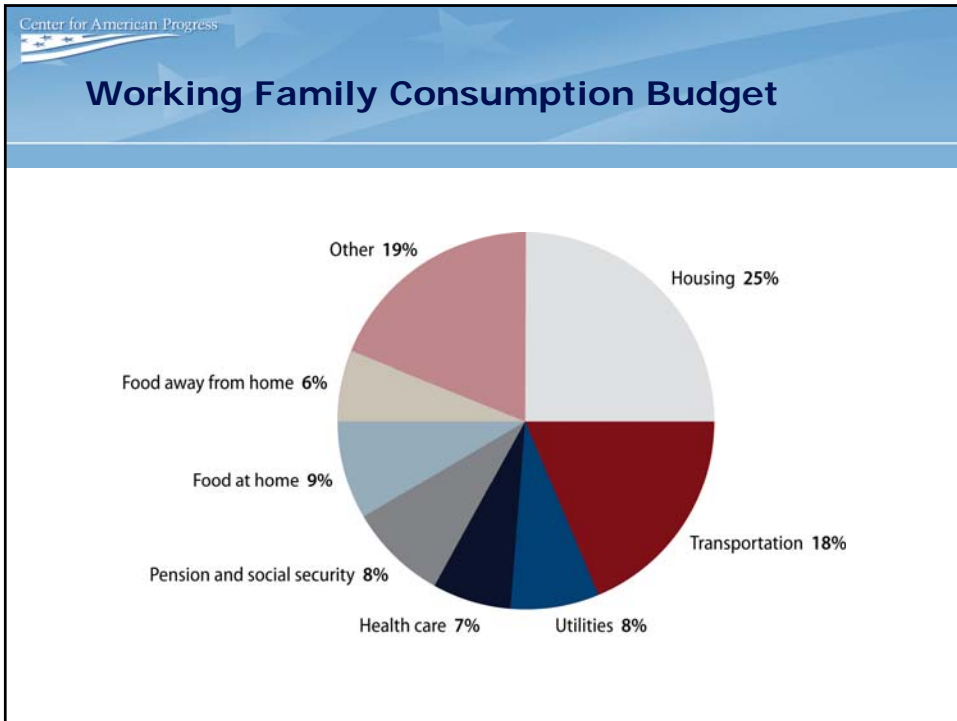
Kinds of Green Jobs: Efficiency & Renewables

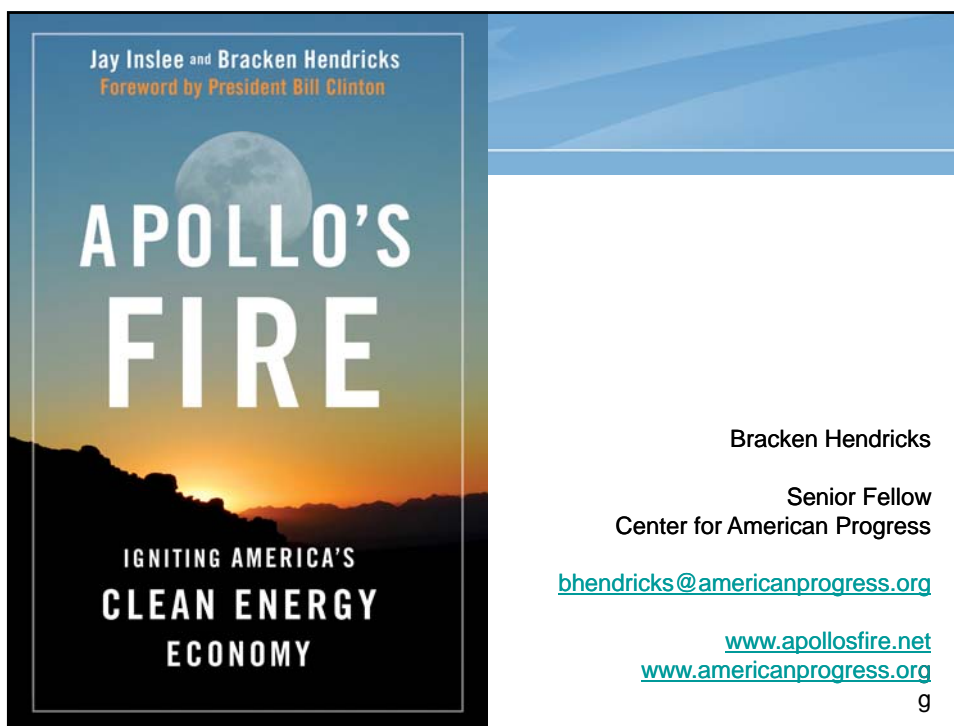
GREEN INVESTMENTS AND JOBS	
STRATEGIES FOR GREEN ECONOMIC INVESTMENT	REPRESENTATIVE JOBS
Building Retrofitting	Electricians, Heating/Air Conditioning Installers, Carpenters, Construction Equipment Operators, Roofers, Insulation Workers, Carpenter Helpers, Industrial Truck Drivers, Construction Managers, Building Inspectors
Mass Transit/Freight Rail	Civil Engineers, Rail Track Layers, Electricians, Welders, Metal Fabricators, Engine Assemblers, Bus Drivers, Dispatchers, Locomotive Engineers, Railroad Conductors
Smart Grid	Computer Software Engineers, Electrical Engineers, Electrical Equipment Assemblers, Electrical Equipment Technicians, Machinists, Team Assemblers, Construction Laborers, Operating Engineers, Electrical Power Line Installers and Repairers
Wind Power	Environmental Engineers, Iron and Steel Workers, Millwrights, Sheet Metal Workers, Machinists, Electrical Equipment Assemblers, Construction Equipment Operators, Industrial Truck Drivers, Industrial Production Managers, First-Line Production Supervisors
Solar Power	Electrical Engineers, Electricians, Industrial Machinery Mechanics, Welders, Metal Fabricators, Electrical Equipment Assemblers, Construction Equipment Operators, Installation Helpers, Laborers, Construction Managers
Advanced Biofuels	Chemical Engineers, Chemists, Chemical Equipment Operators, Chemical Technicians, Mixing and Blending Machine Operators, Agricultural Workers, Industrial Truck Drivers, Farm Product Purchasers, Agricultural and Forestry Supervisors, Agricultural Inspectors











Jay Inslee and Bracken Hendricks
Foreword by President Bill Clinton

APOLLO'S FIRE

IGNITING AMERICA'S
CLEAN ENERGY
ECONOMY

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