

Smart electrical grid

- integrate all sources
- computer control
- regional/local generation
- local power storage
- efficient transmission
- improved distribution
- terrorism-proof
- stable failproof grid
- continual innovation

Air travel

- efficient engines
- biofuel research
- ultralight composite airframes
- offsets in ticket price

Agriculture

- integrated output
- wind and solar
- food, feed, fiber, fuel
- land lease for big wind
- solar to get off the grid
- corn and cellulosic ethanol
- animal waste for biogas methane
- tree growing for carbon sequestering
- steep farmland and food price increases

Emissions cap and trade authorities

- regulator sets emissions limit (cap)
- regulator divides limit into permits
- regulator sells permits up to set limit
- businesses buy permits and then sell them to each other as necessary and possible (trade)
- revenues returned to program

Private investment

- Social Venture Network
- subsidy-seeking funds
- social responsibility funds

Policy-driven finance

- Public bonds for retrofitting
- Public bonds for renewable energy
- State development authorities
- State revolving loan programs
- State pension funds directed to energy projects

Public transportation

- new transit starts
- maintain passenger trains
- regional high-speed rail
- improved roads and bridges

Housing

- energy saving construction
- efficient appliances
- jobs-housing linkage fees
- employer assisted housing
- transit-linked mortgages
- zoning exclusions
- urban infill

Retrofit buildings

- commercial, industrial, residential
- energy efficient system upgrades
- heating, lighting, refrigeration, ventilation, elevators, air conditioning replacement

Market development

- geothermal electricity
- solar/photovoltaic
- wind power

Private transportation

- regulations and mandates
 - fuel mileage minimum
 - emissions control
- junker buyback and scrap
- hybrid and flexfuel mandates
- alternative fuel vehicle market support

Entertainment and amusement

- energy efficient hotels and parking
- efficient rides and attractions

Workforce

- displacement and retraining
 - “Just Transition” payoffs
- green jobs for the disadvantaged
 - job quality standards
 - apprenticeships

Subsidies:

Manufacturing:

- existing federal programs
 - Manufacturing Extension Partnership
 - Industrial Technologies Program
 - Industry of the Future

Self-contained health care

- energy self-sufficient hospitals, emergency rooms, medical offices, hospices, and birthing centers

Research & Development

- hydrogen fuel cell development
- carbon capture technology
 - sequestered coal

Federal mandates

- renewable fuel standards
- renewable portfolio standards
- renewable energy tax credits

Open space and wildlands

- forbidding clean energy development on lands Apollo’s environmental constituency excludes