



# National Council for Public-Private Partnerships

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## The Stimulus Package for Energy & Infrastructure PPPs

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### Global Energy And Environmental Challenges

William C. Anderson  
Arlington, VA  
April 7, 2009

**“The Days of Fossil Fuel are Over”**

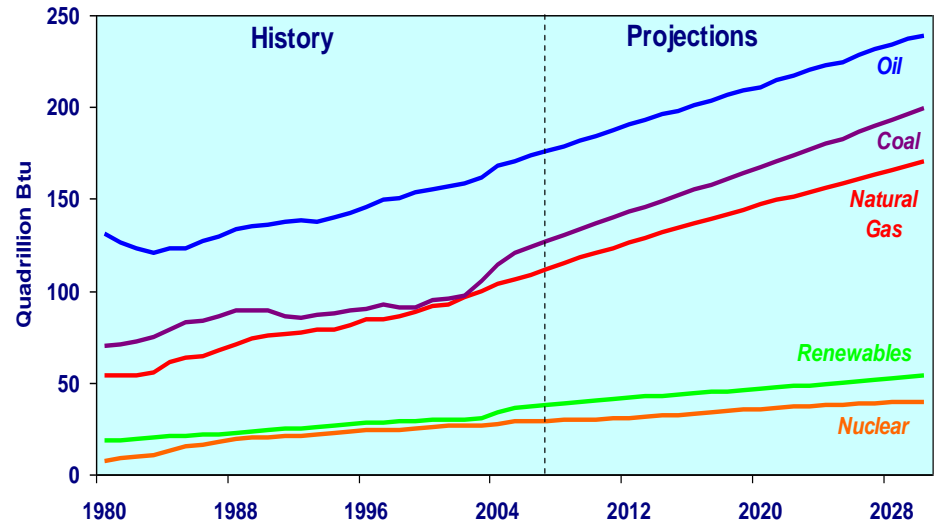
Ted Turner  
NBC’s “Meet the Press”  
November 30, 2008

## The Annoying Reality

### Global Energy Picture:

- Demand for fossil fuels will continue to increase for the foreseeable future ...no real alternatives to petroleum-based liquid transportation fuels
- 2 billion people lack access to modern forms of energy. Drive to provide universal energy access... socially just...exacerbates problem
- Rationing of energy becomes a real possibility in the mid term...source of tension, conflict and war
- If there is no such thing as “clean coal” we are all big trouble

World Marketed Energy Use by Fuel Type, 1990-2030



SOURCE: Energy Information Administration

No Nation can Solve Alone...  
Requires International  
Cooperation on Scale Never  
Seen Before

## The Annoying Reality

### Global GHG Picture:

- Unless we see a radical change in how we deal with manmade CO<sub>2</sub>...no net reduction in GHG emissions over the foreseeable horizon
- Recent Copenhagen Climate Conference suggests CO<sub>2</sub> loading at or exceeding IPCC worse case scenario trajectories
- Questionable “silver bullets”:
  - Ethanol carbon lifecycle
  - Deforestation for energy crops
  - Carbon trading suspect



Carbon Reduction Initiatives  
Must be Combined with  
Capture and Reuse  
Technologies ...Maximize  
Efficient Use of CO<sub>2</sub>

A Manhattan Project on Energy

## “Legacy” Air Force Approach

- A major consumer in the marketplace ought to act like one. Set expectations...move the market
- Let a thousand flowers bloom...but pick the flower beds
  - Synthetic aviation fuel
  - Distributed power/small packaged nukes
  - Model base initiatives
- Energy security and environmental sustainability are the most significant international security issues of the 21<sup>st</sup> Century...must be major priority of US military



## The Challenges...The Opportunities:

- Government agencies facing “unrealistic” targets...business as usual won’t get it done
  - Chasing low hanging fruit not good enough
- Its not about the method...its about the results...start with the solution
  - Creativity the key...unique structures/financing/partners
- Consortiums are the way of the future
  - No single entity can bring financing, application, operations, engineering to assemble the complex deal
- Best solutions may still be offshore

**Its All About Vision and Leadership...  
PPP Community Uniquely Positioned to Lead**

# Questions?

*Bostonia*  
PARTNERS LLC

[www.bostonia.com](http://www.bostonia.com)

wanderson@bostonia.com

Anderson Innovation  Global Group

energywca@aol.com

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Or Call:  
202 321 8387