

# Carbon Sequestration Leadership Forum

**Ministerial Forum** 

Stakeholder Views September 14, 2004

**Barry Worthington United States Energy Association** 



# **Major Points**

- > Technology Arena
- **≻**Policy Arena
- > Stakeholder Role
- > Public Information
- **≻** Recommendations



### **Background**

- Recognition of substantial progress in short time
- Consensus on the enormity of challenges ahead
- ➤ Recognition of long lead times for technology development and deployment as well as for commercial projects
- ➤ Clear linkage with other initiatives i.e. clean energy, hydrogen, etc



### **Technology Arena**

- Technology development must proceed in parallel with policy, legal, regulatory, and public acceptance issues
- ➤ All technologies, all fuels, all strategies needed a portfolio approach



#### Technology Arena (2)

- ➤ Technology Roadmap is important it points out status, potential pathways and gaps. Provides for periodic assessment
- Technology focus must be on proving technology, driving costs down, assure safety and environmental protection



# **Policy Arena**

- > Sequestration as key plank within a broader sustainable framework
- ➤ Keep all options open ensure national and regional discretion
- Further work useful on legal/regulatory framework
- ➤ A strong view with reservations by some that CCS will not be embraced unless policy actions limit greenhouse gas emissions



# Policy Arena (2)

- > Recognise and embrace skeptics
- Involve public in decision making, particularly stakeholders
- ➤ Government-to-Government only is not sufficient
- Must incorporate project specific factors



# Policy Arena (3)

- Governments responsible for long term monitoring, measurement and assuring adequate verifications
- Develop financial strategies to deploy technologies in developing countries
- Monetizing CO2 can change market dramatically but no stakeholder consensus exists
- Consensus on need for demonstration/ deployment incentives but not on what incentives should be



#### Stakeholder Role

- > Stakeholders are taking independent action to coordinate and cooperate
- Broad recognition of need to involve stakeholders
- ➤ Role of stakeholders can be better defined need formal "seat at table"
- Improve openness, transparency of CSLF process



#### Stakeholder Role (2)

- > Involve stakeholders in all activities
- Stakeholders are important allies to build support and momentum
- > Open CSLF website to stakeholders
- ➤ Involve stakeholders in creating public information tools
- > Broaden stakeholder involvement



#### **Public Information**

- Develop public information / public acceptance roadmap
- > Utilise electronic communication tools
- > Focus initial efforts on broadening stakeholder constituents; key opinion leaders; news media
- ➤ Communication tools need to be developed that can be used on local project specific level
- > Develop materials for use in schools



#### Recommendations

- Focus on driving costs down and proving technologies
- Focus on technology roadmap as tool
- Sequestration as one piece of broader sustainable portfolio response



#### Recommendations (2)

- Create incentives for demonstration and deployment
- Strengthen and broaden stakeholder involvement – need real collaboration
- Support objective / credible public information activities