











US and China: Major Players in a Global Clean Energy Race

Brookings Institute Washington, DC September 17, 2010

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American Council On Renewable Energy
www.acore.org



Topics

- The issues we face
- ACORE
- China
- U.S. Renewable Energy Sources
- Strategies and Issues
- Outlook



Solutions to Climate Change:

Forests
Agriculture
Efficiency
Buildings
Vehicles
Fuels
Power
Renewables



Forests Agriculture Efficiency Buildings Vehicles Fuels Power Renewables



American Council On Renewable Energy

Assembling All the Players Necessary to Make Renewable Energy Successful in the U.S.

END USERS

EDUCATION

University Secondary Technical Transportation Utility Industrial Commercial Residential

PROFESSIONAL SERVICES

Engineering Accounting Consulting

RE INDUSTRY

Solar, Wind, Geothermal, Biomass, Hydro, Waste, Hydrogen

FINANCIAL INSTITUTIONS

Banking Investment Insurance

ASSOCIATIONS

Trade Associations Professional Societies Consumer Groups Labor Unions

NON-PROFIT

Foundations Non-Profit Groups Religious

GOVERNMENT

Federal State Local



National Security, Climate and Economic Growth

"Renewable Energy in America"

Cannon Caucus Room, U.S. House of Representatives, Washington, DC December 9, 2010



Driving Finance to Renewable Energy Renewable Energy Finance Forum–Wall Street

Produced with Euromoney at Waldorf-Astoria Hotel in New York City June 29-30, 2010





New "Though Leadership" for Policy Change ACORE Leadership Council





ACORE Leadership Council Dinner in the Library of Congress



Keeping a Global Perspective

Great Wall Renewable Energy Forum

2006 Beijing, China

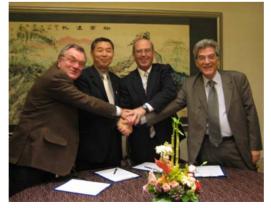


Co-organized by:

- CWEA, CREIA and CRES
- WCRE
- ACORE
- NREL
- EREC

Policy conference and trade show Signing of US-China-Europe MOU

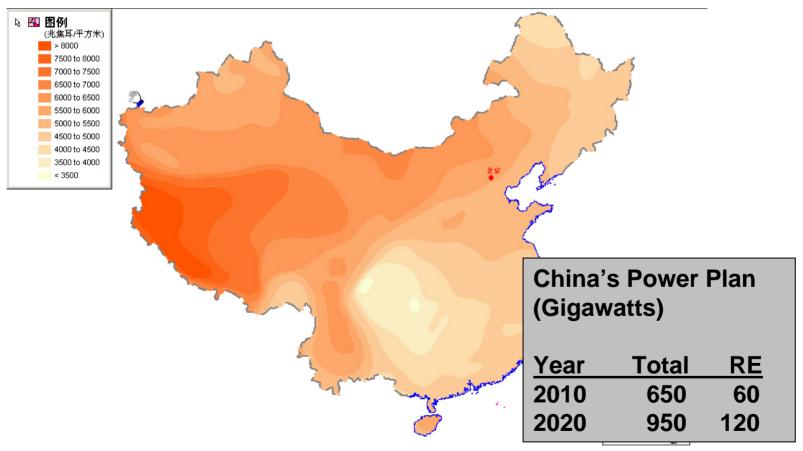








China
New Renewable Energy Law Effective 1-1-2006





World Economic Competition "China"

Shanghai

Wuhan



20% - 40%
Of World Oil Demand
by 2030

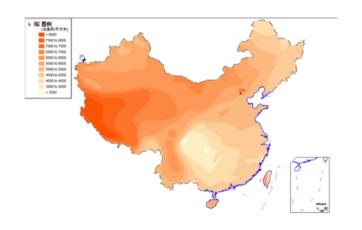


15% Renewables = 85% Non-Renewables In 2020

Photos: ACORE 2006



Score Board



New China Goals for 2020:				
	2006	2010		
Wind	30	150		
Solar	1	20		

Number of Companies:				
	2000		2010	
	U.S.	China	U.S. China	
Wind	2	2	2 83	
Solar PV	5	5	5 528	



US – China Trade Issues

China:

- Cheap or free land for factories
- Free site improvements
 - Streets, lighting
 - Water, sewer
 - Electric
- Labor force training
- Subsidized loans:
 - Interest
 - 5-year balloon
- Expedited permitting
- Closed domestic market

Unfair competitive Advantage?

Breach of WTO rules
On subsidizing
Export industries?



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US – Federal level:

- Tax incentives
- Loan guarantees
- Made in USA provisions
- RD&D support

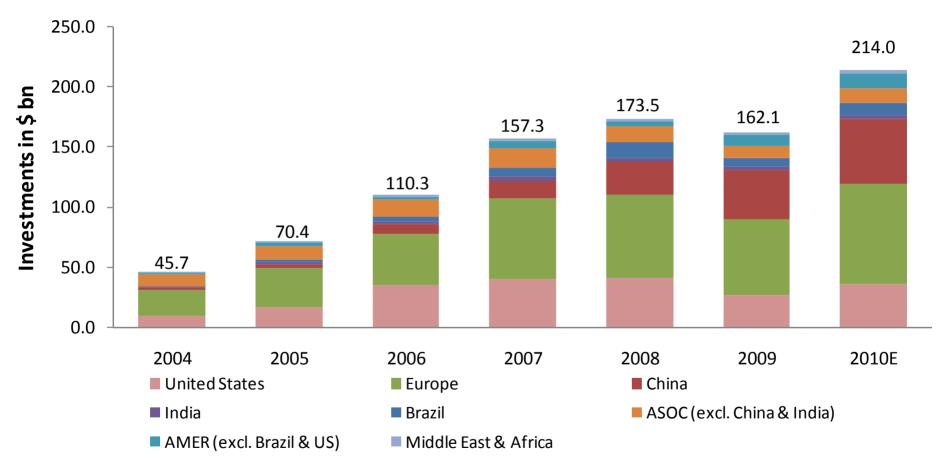
US – State level

- Subsidized old factories
- Labor force training
- Income tax holidays for x years
- Subsidized loans

We Need to Keep a balanced Perspective and Good Relations



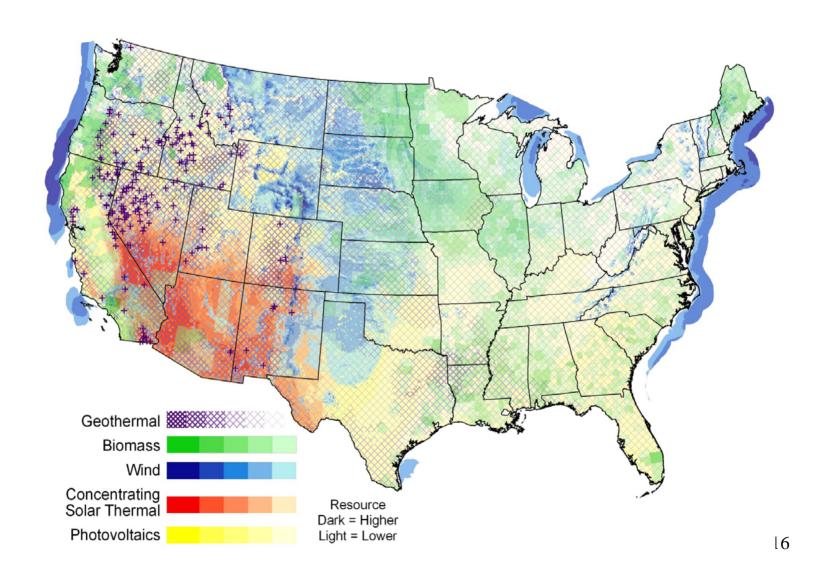
Global Capital Investment in Clean Energy



Source: Bloomberg New Energy Finance



U.S. Renewable Energy Resources



ACORE According to fundate bury

Strategic Plan to Make Renewable Energy Successful in the U.S.

Three Goals to Be Achieved

National Security



Climate & Environment



Growth & Jobs



Three Means by Which to Achieve Them

Policy



Finance



Education



Looking Back in the year 2050:

15% wind power

10% solar energy

10% Hydro and ocean

10% bio-energy and biofuels

5% Geothermal

50% Renewable energy

Source: Mike Eckhart













Be a Member

Thank You

www.acore.org

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