

Sustained Power Sector Policy Assistance for a Spectrum of Governments:

RAP's Work in China, India and Europe and in support of the Clean Energy Ministerial

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July 22, 2012

Introducing RAP and Rich

- RAP is a non-profit organization providing technical and educational assistance to government officials on energy and environmental issues. RAP Principals all have extensive utility regulatory experience.
 - Richard Sedano directs RAP's US Program.
 He was commissioner of the Vermont
 Department of Public Service from 1991-2001
 and is an engineer.

Brief Account of RAP International Work

- RAP founded in US in 1992
- Energy Foundation asked RAP to support work of the China Sustainable Energy Program in late 1990s.
- ClimateWorks Foundation asked support to work in Europe and India.
- RAP has had abbreviated assignments in Africa, Asia and Latin America
- Now supporting Clean Energy Ministerial

China

- Since 1998
- Work with government officials at SERC and NDRC
 - Ministry of Environmental Protection also
- Work with advocates for energy efficiency and renewable energy
- Work with others on the scene (Asian Development Bank)

Some China Projects

- Working with air officials in Jinan in Shandong province on long term multipollutant air quality management plan
- Working SERC on alternative ways to compensate generators
- Energy efficiency power plant deployment
- Industry-specific consumption standards
 - Output based (i.e. kwh per ton)
- Training of government officials in EE, RE

RAP Team

- Rick Weston
- Chris James
- Ryan Wiser
- Max Dupuy
- Wang Xuan
- David Crossley

Europe

- Working with European Commission
- Working with regulators of several countries
 - UK, Ireland, Poland, Hungary, Germany
 - New leadership in France has inquired about assistance

Some Europe Projects

- Assist with Energy Efficiency Directive
 - An EE obligation on energy companies
 - Associated EM&V
- German working group on market reform
 - Addressing reliability, renewables, EE, DR, DG
- Engaged with Poland ERO
 - PBR, grid modernization, DR, DG, tariff reform
- ACER: addressing more integrated mkts
 - RAP: Role of DR and DG to balance grid

RAP EU Program Team

- Richard Cowart
- Meg Gottstein
- Andres Jahn
- Edith Pike-Biegunska
- Maria Kleis
- Sarah Keay-Bright
- Eoin Lees
- Mike Hogan

India

- Supporting Shakti Foundation
- Working with Bureau of Energy Efficiency
- Working with state regulators

Some India Projects

- Super-efficiency Equipment Program
- Part of project demonstrating significantly more wind potential in India than previously thought
 - This has led to wind integration work
- Engaged with federal and state planning and EE authorities on policy options
- Training federal and state regulators through the Forum of Regulators

RAP Team

- Bob Lieberman
- Cathie Murray
- Mahesh Patankar
- Jayant Sathaye (lead LBNL)
- Amol Phadke (LBNL)
- Ranjit Bharvirkar (Itron via LBNL)
- Others from LBNL

Clean Energy Ministerial

- Energy ministers of 23 governments
 - Formed 2009
 - Annual meetings in April
- An array of initiatives one can see on its website cleanenergyministerial.org
 - Significant attention to energy efficiency and renewable energy in various ways
- Active support from US DOE and NREL

RAP Support for Clean Energy Ministerial

- Regional meetings organized with IEA, IPEEC
 - Australia
 - Europe
 - United States
- Support for April 2012 CEM meeting
- Crosscut project on IRP
- Clean Energy Solutions Center
- 21st Century Power Partnership
- Support for April 2013 CEM meeting

About RAP

The Regulatory Assistance Project (RAP) is a global, non-profit team of experts that focuses on the long-term economic and environmental sustainability of the power and natural gas sectors. RAP has deep expertise in regulatory and market policies that:

- Promote economic efficiency
- Protect the environment
- Ensure system reliability
- Allocate system benefits fairly among all consumers

Learn more about RAP at www.raponline.org



Global

China

US

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