



Global Power Sector Transformation

JISEA Annual Meeting

March 2015





THE CHALLENGE

How to rapidly accelerate sustainable **energy access** in emerging economies, while rapidly **decarbonizing power systems** in developed countries.

- Energy supply (fossil fuels for electricity and heat) accounts for **one quarter** of global GHG emissions. (IPCC 2007)
- Improving the carbon intensity of electricity generation in Chile, China, India, Indonesia, Mexico and South Africa could by 2030 **reduce annual global CO₂ emissions by 4.7 gigatons**. (IEA ETP 2014)

Comprehensive and **holistic** power system policy frameworks are key to both challenges.



THE ROAD TO PARIS – IDENTIFYING THE “WHERE”

- Play a constructive role in the 2015 lead-up to the Paris COP by leveraging high level political engagements, policy / technical expertise, national labs and public diplomacy opportunities.

THE INTERNATIONAL SOLUTION SPACE

Key Multilateral Efforts

Clean Energy Ministerial, IEA Ministerial, G-7 Energy Ministers Meeting, G-20 Energy Ministers Meeting, IRENA, SE4All, IPEEC

Key Bilateral Efforts

Utilize bilateral energy dialogues and efforts with key partners to institute modalities to help countries achieve their domestic climate and clean energy goals.

Key Regional Efforts

USVI Symposium, Summit of Americas, ECPA, North American Leaders Summit, Power Africa, APEC Energy Ministers Meeting, ASEAN

Domestic Efforts

Build momentum domestically and amplify accomplishments abroad for actions taken under the Climate Action Plan.



THE ROAD TO PARIS – IDENTIFYING THE “WHAT”

- In cooperation with other USG agencies, support for action-oriented events and collaborations that remove key negotiating barriers and support **implementation**.

THE INTERNATIONAL SOLUTION SPACE

- **Joint Research and Development**
(Clean Energy Research Centers, Partnership to Advance Clean Energy, etc.)
- **Technology Roadmapping**
- **Support Negotiations**
- **Financing** (in partnership with development banks, GCF, private sector)
- **Public Diplomacy**
- **Build Links to Other Questions**
(security, reliability, resilience, energy pricing, etc.)
- **Investment**
- **Trade Missions**
- **Funding Opportunity Announcements**
- **Executive Rulemakings**
- **Policy and Technical Assistance**

21CPP - A FOCUS ON POWER SYSTEM TRANSFORMATION

The Power Partnership aims to advance **integrated** policy, regulatory, financial, and technical solutions for the deployment of **renewable energy** in combination with large-scale **energy efficiency** and **smart grid** solutions.

CORE PARTNERSHIP ACTIVITIES

- **On-demand Multilateral Expert Consultation**
- **Peer-to-Peer Workshops and Exchanges**
- **High-level Roundtable Events**
- **Collaborative Thought Leadership**

Power Systems of the Future



*A Keystone 21st Century
Power Partnership
Publication*