



Energy Sector Capacity Building and Knowledge Framework Program 2013-2015

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Planned Main Topics

Under CAREC Institute Work Plan

- 1. Regional Integration and Scaling Up Finance**
- 2. Water and Energy**
- 3. Promoting Renewable Energy**
- 4. Technology and Innovation**
- 5. Accelerating Governance and Energy Efficiency**



Planned Sub-topics

Under CAREC Institute Work Plan

1. Regional Integration and Scaling Up Finance

- Design of legal and regulatory frameworks for energy trade in CAREC region.
- Regional Power Trade Models
- Commercial Operations of Regional Energy Grids
- Regional Transmission Organization
- PPPs in Energy

2. Water and Energy

- Energy-Water Management Issues
- Management of Multipurpose Water Reservoirs
- Hydropower Development in International Rivers

Planned Sub-topics

Under CAREC Institute Work Plan

3. Promoting Renewable Energy

- RE potentials in CAREC – Strategies Needed to Scale up RE
- Successful RE Projects – Best Practices
- Regional Perspectives on RE
- Alternative Energy Sources
- Cross Border Clean Development Mechanisms

4. Technology and Innovation

- Asset Rehabilitation
- Modernization of Combined Heat and Power System
- System Planning and Optimization Software
- Cross Border Metering and Control – Technical Principals
- Emerging Clean Energy Technology

Planned Sub-topics

Under CAREC Institute Work Plan

5. Accelerating Governance and Energy Efficiency

- Strategies and Scaling Up Energy Efficiency Finance
- Asset Rehabilitation
- New Models for Utility Delivery of Demand Side Management and Energy Efficiency
- Energy Conservation- Best Practices
- Loss Reduction Methods in Energy Grids
- Governance, tariff adjustments and operational efficiency



Energy Sector Capacity Building and Knowledge Framework Program 2013-2015

- Endorsed by CAREC ESCC (Sept 2013) and Senior Officials (Oct 2013)
- Approved plan:
Two 3-day workshops in June 2014 and June 2015 to target participants from Ministry of Finance, Ministry of Energy and chief engineers from utility companies (3-4 participants per member country) with resource persons from members countries and external experts



2013 Activities

Capacity Building and Knowledge Sharing

- Site visit to the Solar Power Station, September 2013, Almaty, Kazakhstan
- Presentations on renewable energy initiatives in CAREC countries during 16th ESCC Meeting, September 2013, Almaty, Kazakhstan

Improvement of Energy Page in CAREC website

- Uploaded reference documents and diagnostic studies



2014 Activities

Capacity Building and Knowledge-Sharing

- Energy Efficiency Training Seminar: Central and West Asia Region, 28-29 May 2014, Kuala Lumpur, Malaysia
- Regional Energy Trade Workshop, 8-9 September 2014, Manila, Philippines
- Visit to the Green Energy Office, Malaysian Greentech Corporation, 30 May 2014, Kuala Lumpur, Malaysia
- Visit to the Changping HVDC Demonstration Project and Sihui Electric Bus Charging/Battery Swapping Station, 05 September 2014, Beijing, People's Republic of China
- Visit to the Philippine Wholesale Electricity Supply Market, 9 September 2014, Manila, Philippines

Improvement of Energy Page in CAREC website

- Updated energy page and directory of ESCC sector focals



2015 Plan of Activities

Suggestions and Comments?

