

# **CAREC Institute**

## **Supporting Energy Sector Capacity Development Needs of CAREC 2020 2013-2015**

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# Outline

- Background
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- ADB Support
- Planned Topics
- Workshop Details
- Knowledge Framework Approach
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# Background

CAREC 2020 anticipated two goals of cooperation:

1. Trade expansion through energy trade
2. Enhanced competitiveness through improvement of connectivity, and development of related business services

To achieve the goals, CAREC 2020 called on the CAREC Institute to strengthen capacities of various stakeholders to support the achievement of CAREC's strategic goals

# CAREC Institute Strategy 2013-2017

## CAREC's Strategic Knowledge Framework

- Knowledge Generation (Research)
- **Knowledge Services (Capacity Development)**
- Knowledge Management (Information Dissemination and Exchange)

# What is Capacity

The ability of institutions to perform functions, solve problems and set and achieve their goals

# What is Capacity Development

The process by which institution develop abilities collectively to perform functions, solve problems and set and achieve goals (effective and efficient implementation of CAREC projects)



# ADB Support – Technical Assistance

## R-CDTA 8301 : Supporting Capacity Development Needs of CAREC 2020

- Implementation : 2013-2015
- Outputs – development and delivery of demand driven learning program in CAREC related concerns at the strategic, policy and sector levels on a sustainable basis
- Funding available : \$1.5 million
- Funding available for energy sector : ~\$0,4 million
- Approach : Organizing Energy Sector Capacity Building Workshops

# CI Energy Sector Capacity Building

## Workshop Details

- Target amount of workshops : 2
- Length of Workshop : ~3 days
- Tentative schedule : June 2014 and June 2015
- Venue : TBC
- Target participants : topic dependent, main target is Ministry of Finance, Ministry of Energy and Chief Engineers from Utility Companies.
- Resource Persons : From members country/external experts
- Participants per member country: 3-4
- Total participants : ~ 30-40



# 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 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 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

# 2014 Energy Sector Capacity Building Workshop

- Tentative Dates : June 2014
- Venue : TBC
- Length of Workshop : ~3 days
- Planned Main Topics :
  1. Regional Integration and Scaling Up Financing
  2. Water and Energy
- Target participants : Ministry of Finance and Ministry of Energy from all CAREC member countries
- Resource Persons : Experts from CAREC / or external technical experts
- Participants per member country: 3-4

# Knowledge Framework Program 2013-2015

- Research agenda formulated by end 2013
- Improvement of the current CAREC website to include knowledge database
- Design of an online knowledge portal for exchange and dissemination of knowledge generated and collected.
- High-Profile CAREC Institute Knowledge Sharing and Dissemination activities 2014-2015

# Outcome

- ✓ Foster a common understanding of shares challenges related to creating an economically viable regional power market
- ✓ Enhanced quality of regional integration
- ✓ Facilitate dialogue
- ✓ Exposure to similar international experience
- ✓ Knowledge sharing
- ✓ Creating knowledge solutions through partnerships

# Suggestions and Comments?