

# CAREC 2020 Project Selection Criteria, Medium-Term and Long-Term Projects

# CAREC 2020

## Project Selection Guidelines

- Medium-Term Priority Projects (MTPP) will reflect the criteria identified in the *Energy Strategy* endorsed in November 2008.
- Projects included in the MTPP must have a *well-developed concept*, must be supported by a *concrete financing and implementation plan*, should be a *part of each country's national development plan*.

# CAREC 2020

## Project Selection Guidelines

- Criteria prescribed in *the Energy Strategy*, focus on *energy efficiency* and *clean energy*:

### *Domestic investments*

- i.loss reduction;*
- ii.rehabilitation of existing assets;*
- iii.least-cost system expansion and operation;*
- iv.commercialization of energy operations;*
- v.demand-side management;*
- vi.developing renewable energy sources*

### *Cross-border investments*

- i.cross-border energy transmission;*
- ii.facilitation of access/transit to third country energy markets;*
- iii.integration of energy markets;*
- iv.capacity building for energy trade*

# Medium-Term Priority Projects (2012-2014)

- Rehabilitation of power generation plants
- New Power generation plants
- Rehabilitation of power transmission lines
- New power transmission lines
- Energy efficiency projects
- Renewable energy projects

The MTPP list needs to be updated/revised periodically, based on confirmation of national and regional priorities and taking into account the project prioritization plan outline in the RPMP.

# Performance Indicators

- The performance indicators seek to capture how CAREC's energy infrastructure rehabilitation and expansion projects contribute to energy security, energy efficiency, and ability to enhance power trading in the CAREC region

# Indicators to Monitor and Measure Progress towards the Implementation of the *Energy Strategy*

- New generation units addition of 50 MW or above (MW)
- Rehabilitation of generation units of 50 MW or above (percentage of funds spent on rehabilitation over total rehabilitation costs, expressed proportionately in MW)
- New substations addition of 220 kV or above (MVA)
- New addition or rehabilitation of transmission lines of 220 KV or above (km)
- Rehabilitation of substations of 220 KV or above (percentage of funds spent on rehabilitation over total rehabilitation costs, expressed proportionately in MVA)
- Total energy generation by countries of the region (GWh)
- Electricity trade among CAREC countries (GWh)

# Energy Sector Outputs 2012

Indicator	2009 Baseline Value	2010	2011	2012	Projected Output for 2013-2015
Transmission lines installed or upgraded (km) <sup>a</sup>	850	...	1150	322	755
New energy generation capacity (MW) <sup>b</sup>	...	...	...	...	820
Rehabilitated generation capacity (MW) <sup>c</sup>	...	...	...	...	200
New substations installed (MVA) <sup>d</sup>	...	...	...	...	144
Substation upgraded (MVA) <sup>e</sup>	...	...	...	...	

km = kilometer, MW = megawatt, MVA = megavolt-ampere.

<sup>a</sup> New or rehabilitated transmission lines of 220 kV or above (km).

<sup>b</sup> New generation added of 50 MW or above (MW).

<sup>c</sup> Rehabilitated generation units of 50 MW or above (percentage of funds spent on rehabilitation over total rehabilitation costs, expressed proportionally in MW).

<sup>d</sup> New substations added of 220 kV or above (MVA).

<sup>e</sup> Rehabilitated substations of 220 kV or above (percentage of funds spent on rehabilitation over total needed rehabilitation costs, expressed proportionally in MVA)