

Enhancing Central Asia Regional Power Trade and Cooperation

ESCC Meeting, September 10-11, 2013
Almaty, Kazakhstan

Background

- CA regional electricity trade declined to about 10% of its peak levels in 1990
- Only three out of five CA countries are part of CAPS
- Suboptimal use of natural resources and power assets
- Suboptimal dispatch, while the existing regional network remains underutilized
- Winter power shortages
- Several studies confirmed substantial benefits from joint operation
- Issues to be addressed include technical, institutional, legal/contractual and regulatory
- A practical way forward is to start by implementing discrete specific measures to build trust

Enhancing Central Asia Regional Power Trade and Cooperation

Objective:

To promote energy/power trade and integration between CA countries with a view to increasing efficiency of their respective power systems, enhancing reliability and security of electricity supply, reducing power shortages, and avoiding GHG emissions.

Approach

Phase I: October 2013-February 2014

A scoping study to identify near term opportunities and priorities for CA countries with respect to regional power trade and understand the constraints and barriers to realizing them

Phase II: March 2014-June 2015

Implementation of specific priority activities identified through consultations during Phase I. Activities may include knowledge sharing and capacity building workshops, preparation of training materials, commissioning of studies, preparation of TORs, etc.

Possible Areas of Assistance

1. Review the scope for regional electricity trade in the short, medium and long term
2. Analyze tariff implications for enabling trade
3. Develop concepts of transmission costs
4. Remove grid constraints (emergency control system, metering)

Possible Areas of Assistance (cont'd)

5. Adopt PPAs and contract based dispatch with real time balancing in the regional grid
6. Protect against overdrawing of power
7. Develop credit enhancement schemes to ensure timely payments
8. Modernize CDC and adjust its status and organization
9. Build capacity of national dispatch and grid staff

Next Steps

October-December 2013:

Consultations with national Ministries of Energy, dispatch centers, grid operators, utilities, CDC

January/February 2014:

A CA regional workshop to present the outcomes of Phase I and agree on the priority activities for Phase II

May/June 2014:

Update ESCC on progress



THANK YOU