Central Asia South Asia Regional Electricity Transmission and Trade Project (CASA-1000)

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The proposed CASA-1000 transmission facilities would:

Maximize the use of 1,300 MW summer electricity surplus from existing hydro power plants in Central Asia (Tajikistan & Kyrgyz Republic) and provide electricity to consumers in electricity deficient South Asia (Afghanistan & Pakistan)
- 500 kV line Datka-Khudjand (477 km), with Tajik network transferring Kyrgyz exports to Sangtuda
- Tajikistan Grid Strengthening b/w Regar and Sangtuda
- 1300 MW AC-DC Convertor Station at Sangtuda
- 750 km HVDC line Sangtuda-Kabul-Peshawar
- 300 MW Convertor Station at Kabul (with both import & export capability)
- 1300 MW DC-AC Convertor Station at Peshawar
Indicative Financing Plan (US$m)*

- US$ 510 M from WB
- US$ 280 M from IsDB/GCG
Small Hydro Power Plants

Role

• Energetically self-sufficient rural communities
• Enhancement of social security
• Intensification of agriculture and production
• Poverty reduction
• Better environment

Republic of Tajikistan

Thank You