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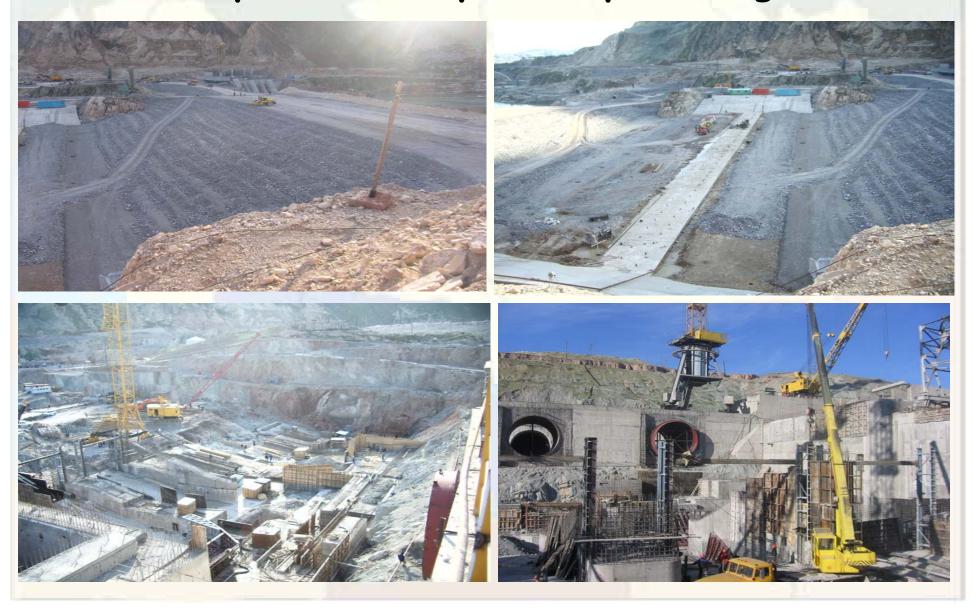
# CAREC Senior Officials Meeting (SOM) Energy Sector Coordination Committee

Progress Report By World Bank March 26, 2007 ADB Headquarters, Manila, Philippines

# Progress Report Outline

- Regional Energy Projects
  - Projects underpinning electricity trade with South Asia
  - Regional Gas projects
  - Options for Movement of Primary Energy Commodities Study (OMPECS)
- Energy Sector Strategic Action Plans (ESSAP)
- Clean Development Mechanism Interventions
- CAREC Member Energy Regulators Forum (CMERF)

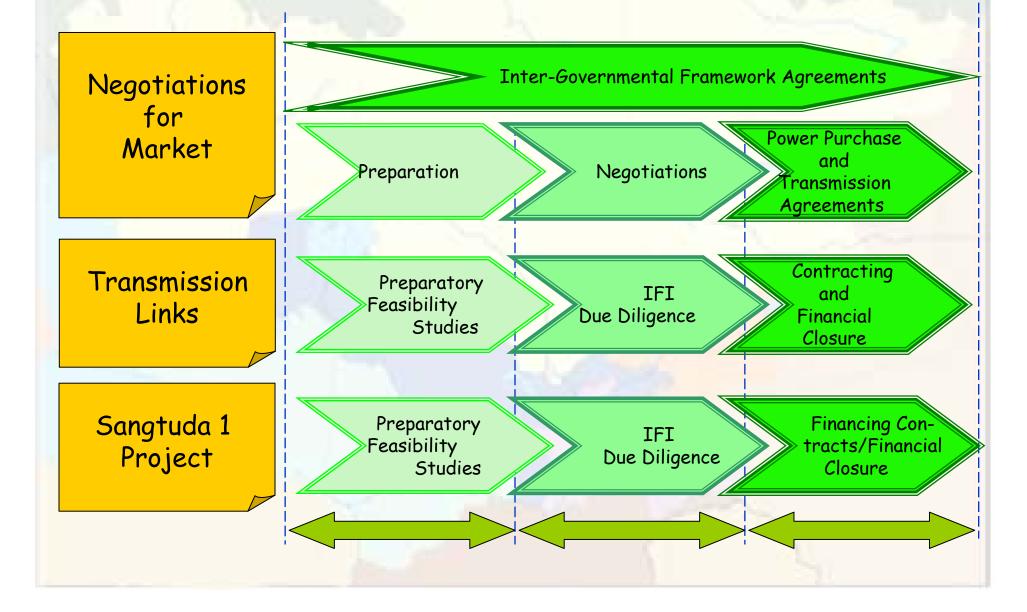
### Specific Generation projects for exports already developed-Sangtuda 1

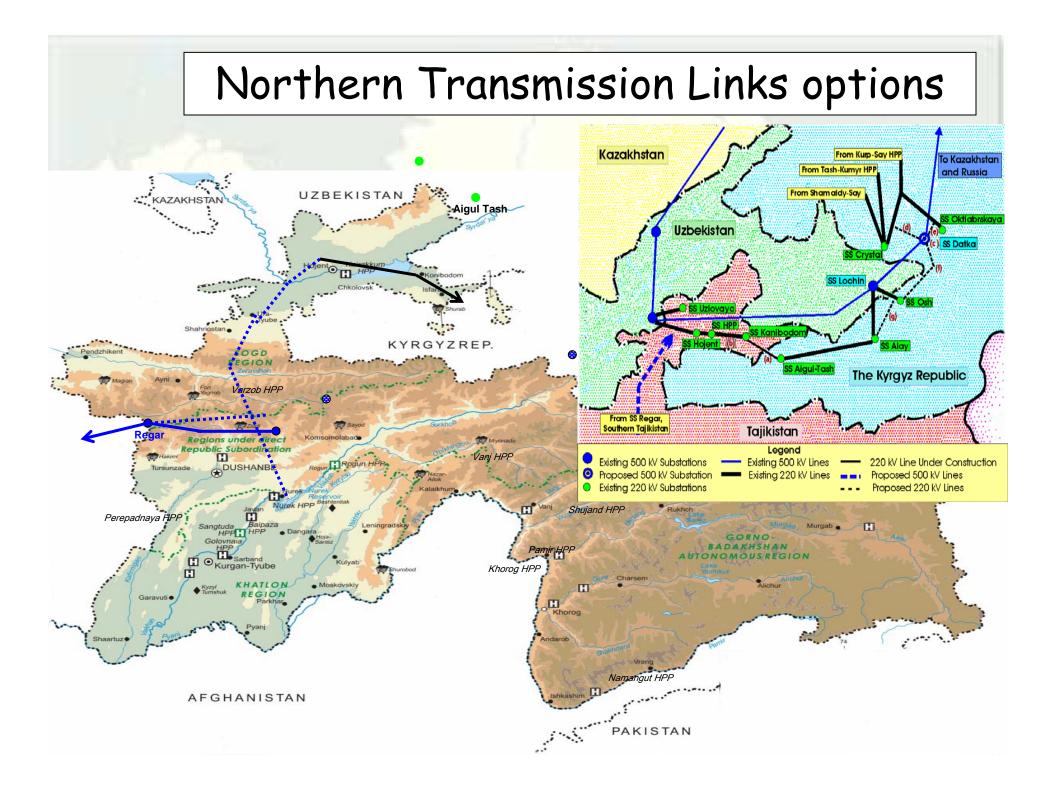


## Outcomes of Tripartite Meeting On Sangtuda 1 Financing

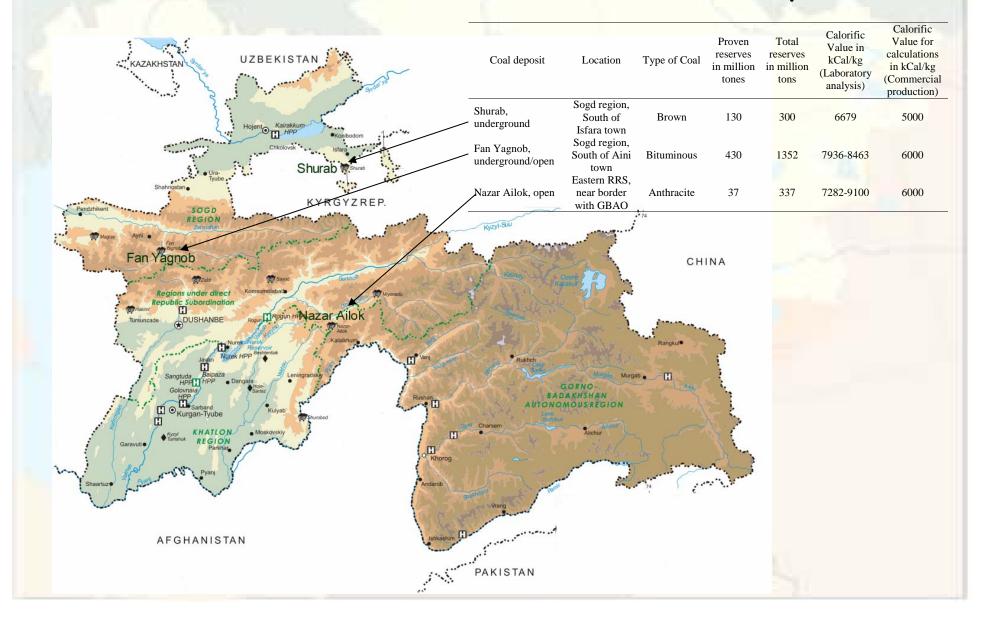
- Shareholding structure agreed to
  - Government of Tajikistan => 25% +1 share
  - 24% shares offered to IFIs
  - Remaining 51% will be retained by RAO UES
- Commitment to export summer production of Sangtuda 1
- Commitment to prepare for due diligence of IFIs

# Project(s) Financing Decision Path





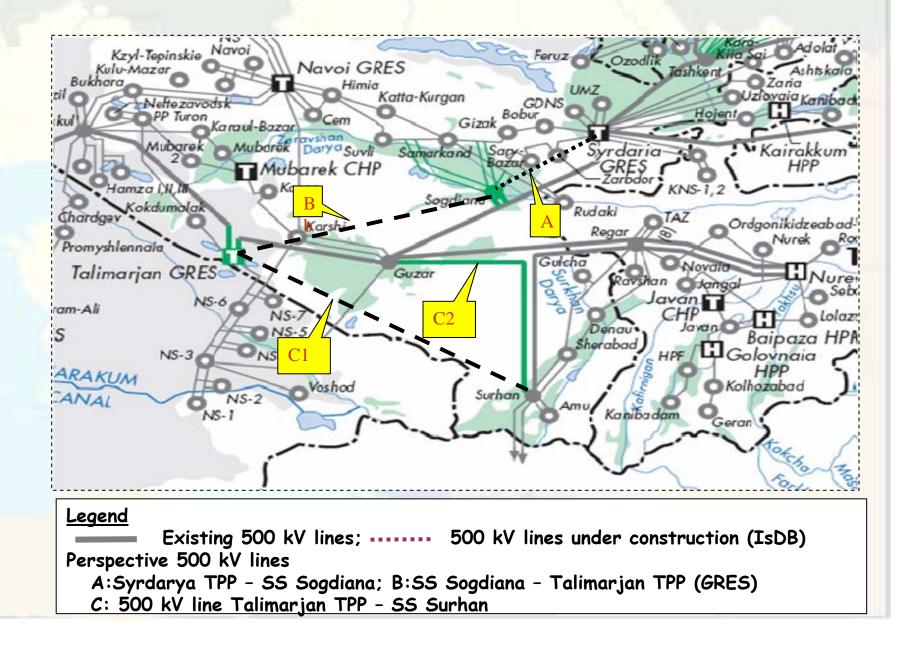
# Tajikistan has launched development of coal resources - 70% aimed at exports

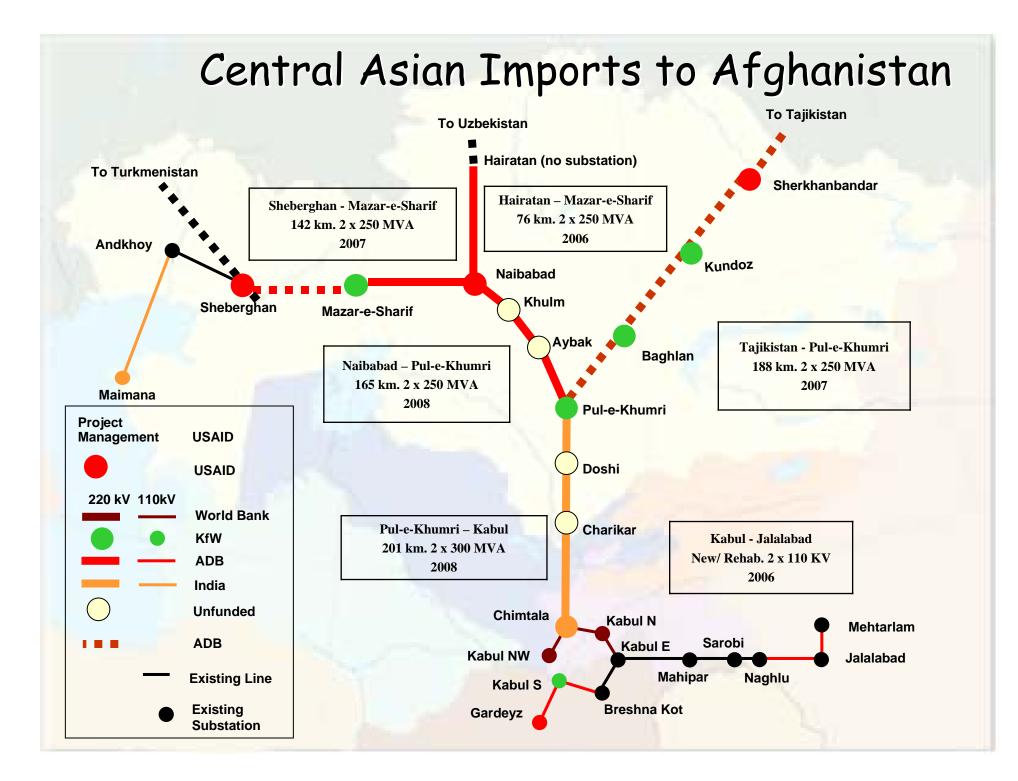


#### Tajikistan exports to Afghanistan at 220 kV level



#### Uzbekistan Electricity to Afghanistan

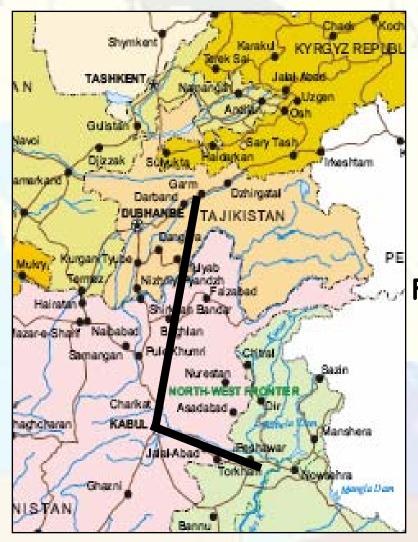




Central Asia South Electricity Trade and Transmission Project (CASA 1000)

- First Inter-Governmental MoU signed in Dushanbe in October 2006
- Highlights
  - Phase I 1000 MW; with possibility for more later
  - Private Sector Participation preferred

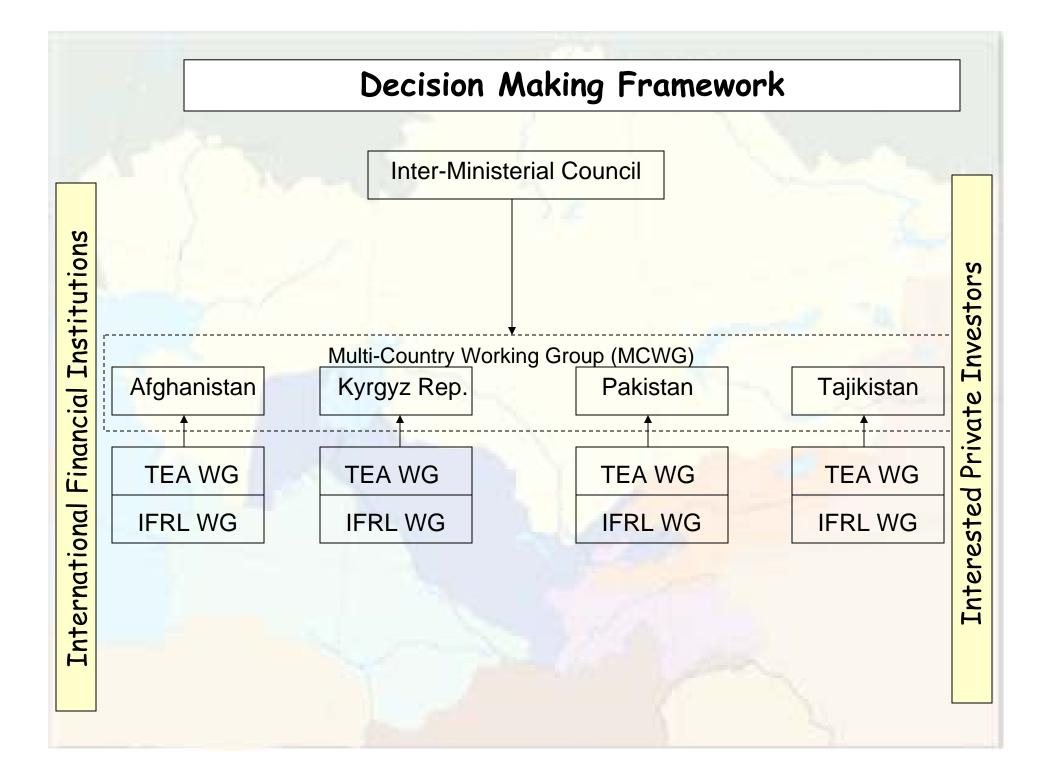
# Transmission Line will be routed through Kabul

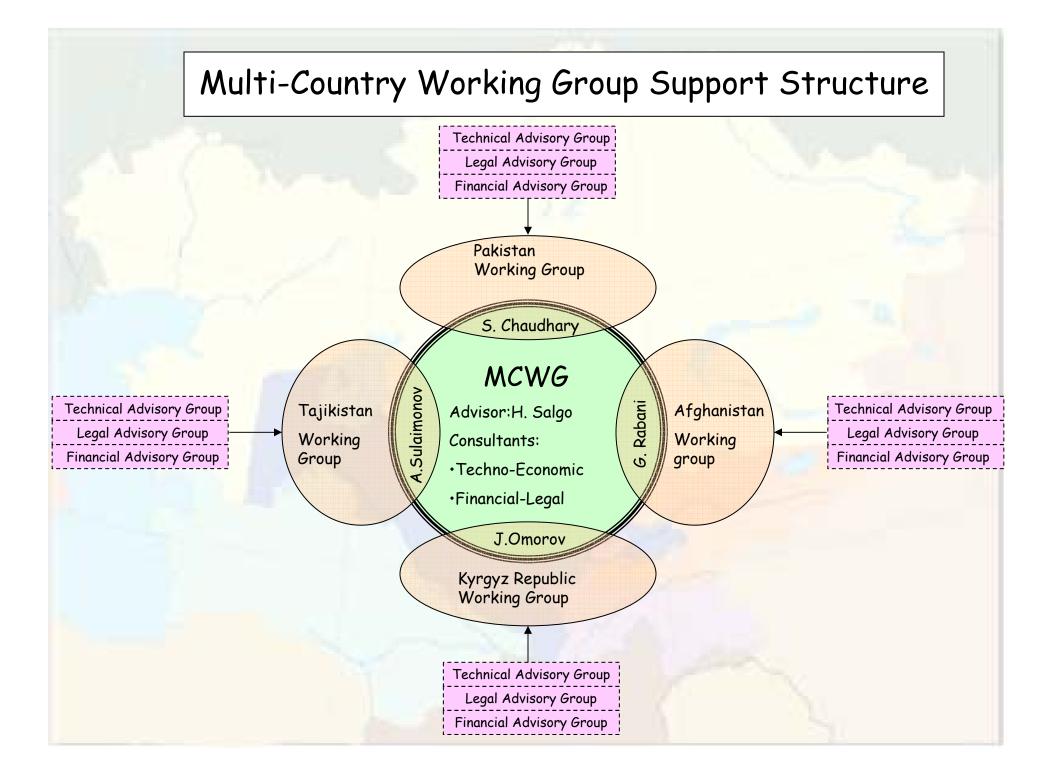


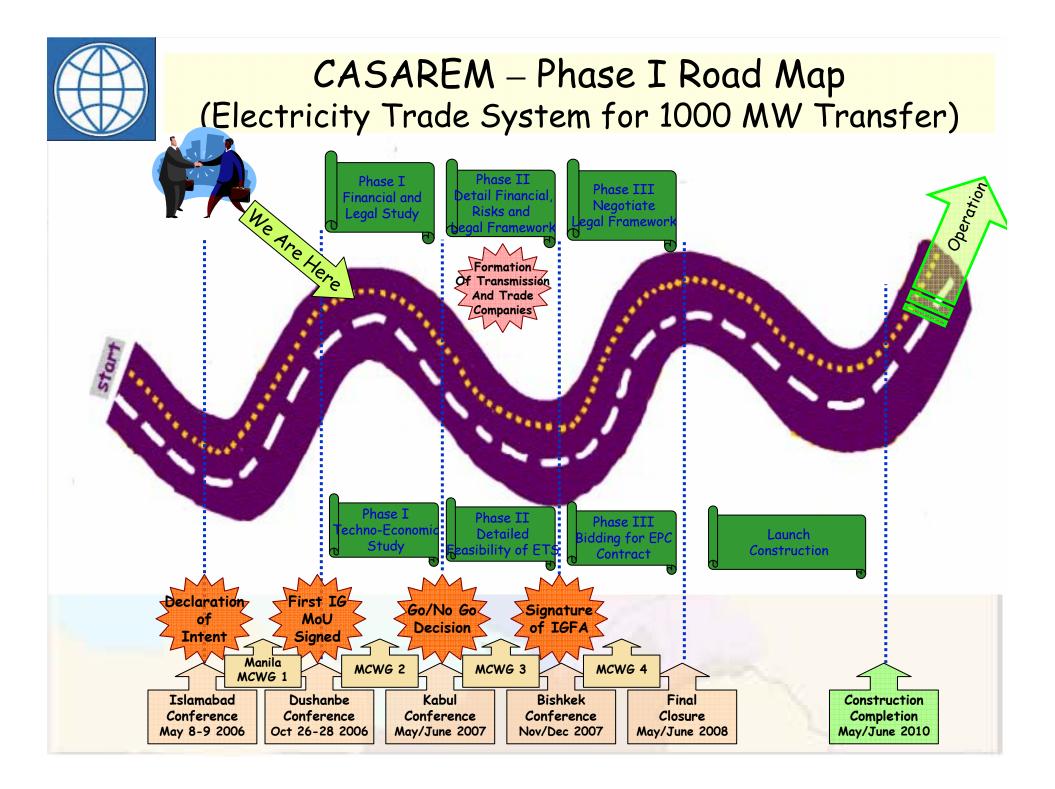
#### Transmission Line Length (km)

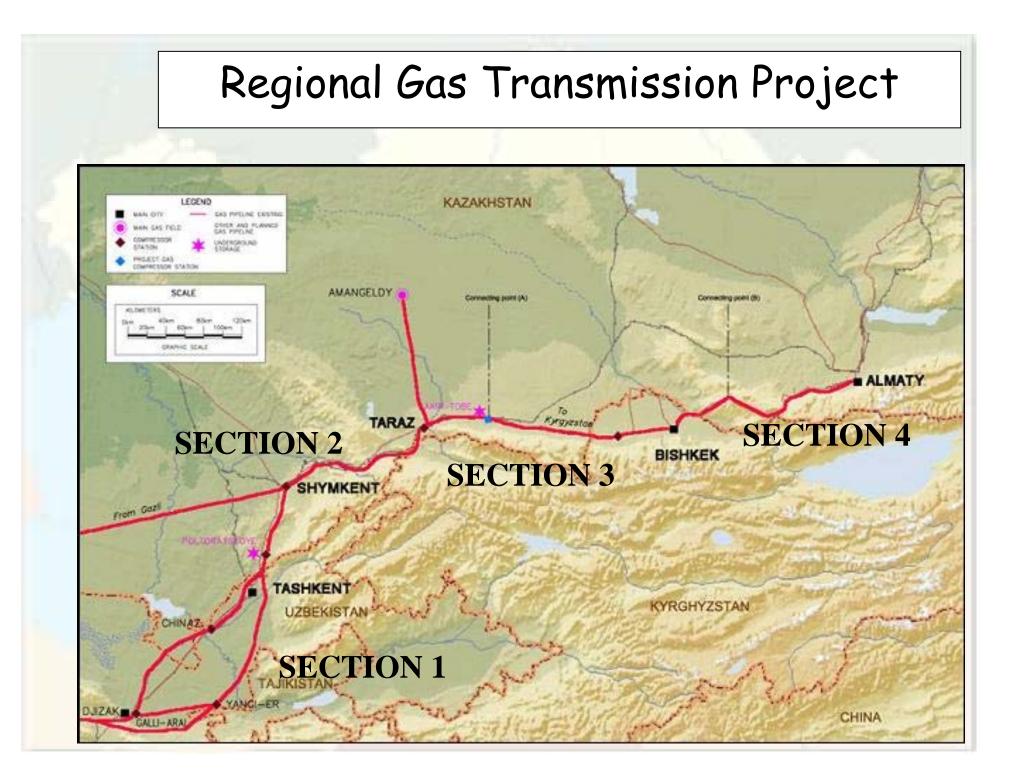
Tajikistan		166	22%
	Nurek to Sangtuda 1	60	
	Sangtuda I to Shekhanbandar	106	
Afghanistan		544	70%
	Shekhanbandar to Pul-e-Khumri	154	
	Pul-e-Khumri to Kabul	220	
	Kabul to Jalalabad	90	
	Jalalabad to AFG border	80	
Pakistan		60	8%
	AFG border to Peshawar	60	
		770	

- Feasibility Studies launched ·Resource Assessment in CA ·Demand Assessment in SA ·Techno-economics of trans. Line
  - rechno-economics of trans. Line
  - Institutional
    Financial
    Risk Mitigation
  - ·Legal Framework

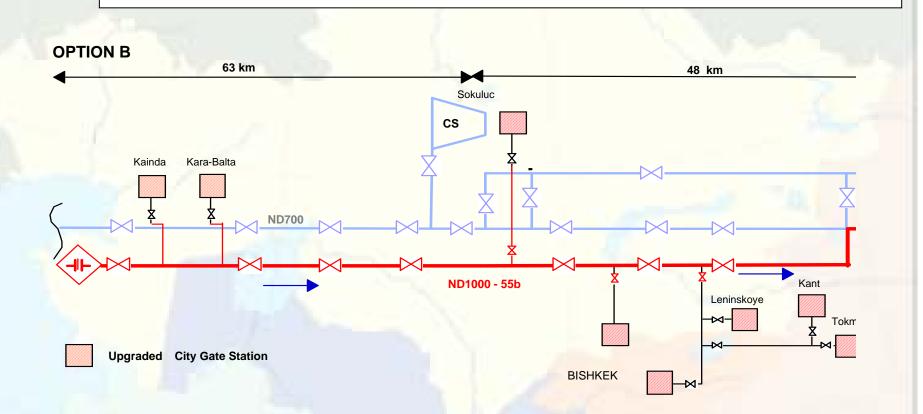






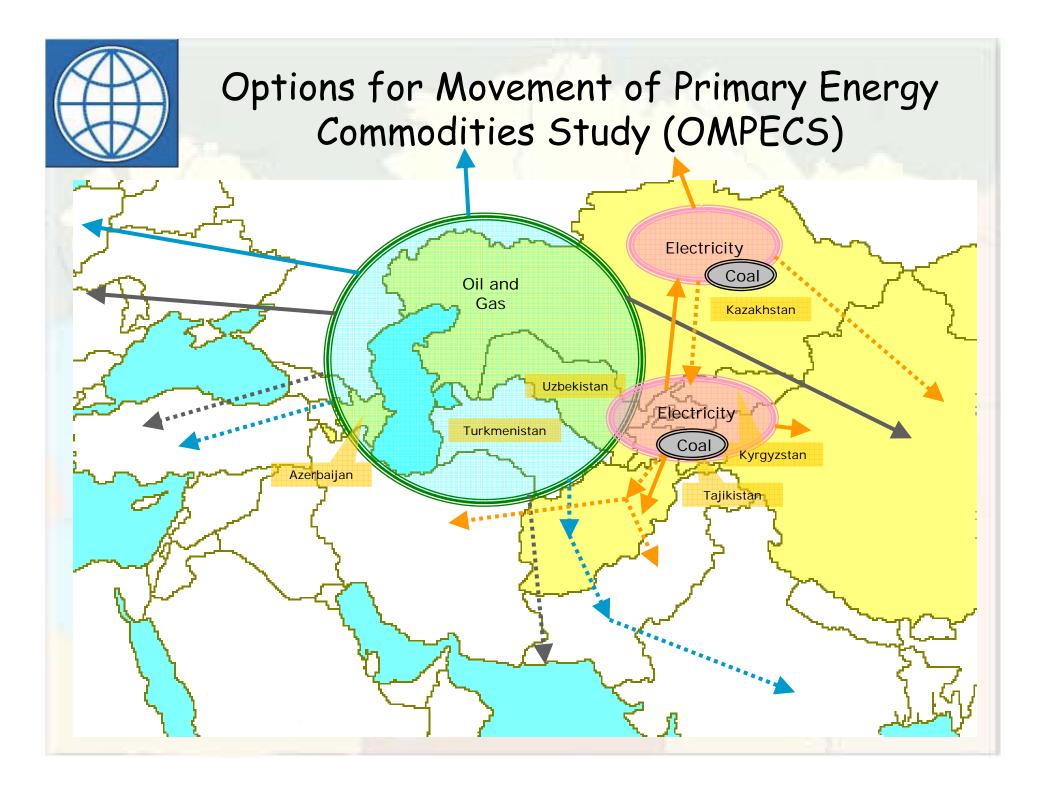


# Regional Gas Transmission Project



KyrgyzGas and KyrKazGas (a Kyrgyzgas and Kaztransgas JV) involved Decisions yet to be made:

- Projects costs
- Environmental and Social Assessment
- Financing structure public/public-private/private
- Financing plan



Options for Movement of Primary Energy Commodities Study (OMPECS)

- Country Consultations Begun
- Kazakhstan
  - KazMunaiGaz interested in Study
  - Government clearance yet to be received
  - Says coal exports need not be covered
- JBIC interested to participate
- More consultations are needed

#### **Energy Sector Strategic Action Plans**

- World Bank:
  - provided guidelines and samples to each country to prepare their respective Strategic Action Plans
  - Followed up vigorously and rigorously to receive the Action Plans
- Received Information from:
  - Afghanistan; Azerbaijan; Kyrgyz Republic; Mongolia; Tajikistan
- Did not receive anything from:
  - PRC; Kazakhstan; Uzbekistan

### Broadening and Deepening Clean Development Mechanism Opportunities

- International Financial Institutions continue to develop programs
  - ADB
    - Carbon Market Initiative
      - Asia Pacific Carbon Fund
    - ADB Energy Efficiency Initiative
  - World Bank
    - Carbon Finance Workshops in Azerbaijan, Kyrgyz Republic and Uzbekistan
    - MoU signed with Government of Uzbekistan to develop Carbon finance projects
    - Carbon Expo Asia co-hosted in Beijing in Oct 2006

## CAREC Members Energy Regulators Forum (CMERF)

- Second Annual Meeting held in Sep 2006
  - Importance of CMERF emphasized
  - Additional Assistance sought from ADB for capacity building
  - ADB working on that request
- Third Annual Meeting planned in Mongolia in Sep 2007

# THANK YOU!