

GMS Road Map for Expanded Energy Cooperation: Providing Affordable and Sustainable Energy for All

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Outline of the Presentation

- I. Rationale, Goal, Objectives of Strategy, Policy Framework**
- II. Thrusts/ Key Projects (Work Plan)**
- III. Key Features in Implementation**
- IV. Next Steps and Conclusion**



I. Background/ Rationale of Strategy

Basis for expanded GMS energy cooperation

- Agreed to expand energy cooperation at 11th Electric Power Forum (EPF-11) meeting (Bangkok, Dec. 2004)
- EPF becomes Subregional Energy Forum (SEF)
- Energy strategy study findings

Recent developments- stronger rationale for cooperating beyond power:

- Reduce costs by accessing energy supply outside the border
- Expand markets for scale efficiency
- Diversify sources for improved energy security
- Address trans-border environmental implications: addressing climate change challenges
- Enhance efficiency of regional energy system



I. GMS Road Map for Expanded Energy Cooperation:

- **Goal: An integrated approach to deliver sustainable, secure and competitive low carbon energy**

Major Strategic Objectives:

- Enhance **access to modern energy** to all sectors/ communities
- Develop/ utilize **low carbon, renewable domestic** resources while reducing oil dependence
- Improve **regional energy cooperation and security**
- Promote **private participation** in GMS energy development



I. POLICY FRAMEWORK

Enhance access to modern energy:

- Establish **interconnection** arrangements
- Promote cost-effective **rural electrification** schemes
- Promote best practices for **off-grid systems**
- Coordinate with other GMS sectors for maximum synergies

Develop low carbon, renewable domestic resources:

- Promote use of **renewable energy resources**
- Promote **engineering/ manufacturing capacity**
- Enhance **energy efficiency/ conservation** (demand and supply)
- Develop best practices for **improved thermal plant efficiency**
- Develop institutional capacity to develop projects using **CDM**
- Monitoring technology development of **carbon capture & storage**



Improve regional cooperation and energy security:

- Strengthen information exchange and collaboration
- Enhance institutional and technical capacity in cross-border trade and energy integration beyond the power sector
- Improve transport modal mix

Promote private participation in GMS energy development:

- Enhance institutional/ regulatory environment
- Share best practices in terms of incentives to project sponsors
- Promote networking and exchanges in state of art in energy efficiency, renewable and clean technologies



II. Work Plan: Key Thrusts, Priority Projects, 2009-2015

Energy Efficiency (EE) and Conservation: Information sharing/ networking on best practices; Enhanced energy management; Energy efficiency in transport; Financing for EE initiatives

Priority Project: Improving EE Through Demand Side Management and Energy Conservation in the GMS

New and Renewable Energy (RE): Policy/ institutional framework for RE development; Promoting biofuels/ biomass; Information networking

Priority Project: Promoting Development of RE and Clean Fuels

Regional Energy Planning, Policy, Program: Energy policy, planning, program management; Sustainable financing and support

Power: Policy/ regulatory framework for power trade; Grid interconnection and power generation for export; Rural electrification; Environmental sustainability of power infrastructure

Priority Project: Promoting Environmentally-Sustainable Power Trade Planning, Coordination and Development

Oil and Gas: GMS sections of Trans-ASEAN Gas Pipeline; Logistics and network

Coal: Clean coal technologies; Framework for trade/ investment in coal



III. Key Features in Implementation

- Strong commitment of GMS members
- Each country to act as a “Lead” per project
- “Lead” to formulate/ refine proposals, seek development partners’ support

GMS countries also agreed to adopt performance targets to properly monitor success and serve as benchmarks for future directions



IV. Next Steps and Conclusion

Role of the Subregional Energy Forum (SEF):

- Drive the process for “Lead” Country for priority projects
- Set and monitor performance targets
- Regularly monitor progress of Road Map
- Serve as vehicle for information sharing
- Enhance development partnerships in support of the Road Map



Thank you

