



GOVERNMENT OF MONGOLIA
MINISTRY OF ENERGY

RECENT ACTIVITIES FOR REGIONAL POWER INTERCONNECTION IN MONGOLIA

Mr. YEREN-ULZII Batmunkh,
Head,
Investment and Production Division

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Russia

CROSS BORDER INTERCONNECTION AND EXPORT AND IMPORT

Chadan, Russia, 110 kV line connection

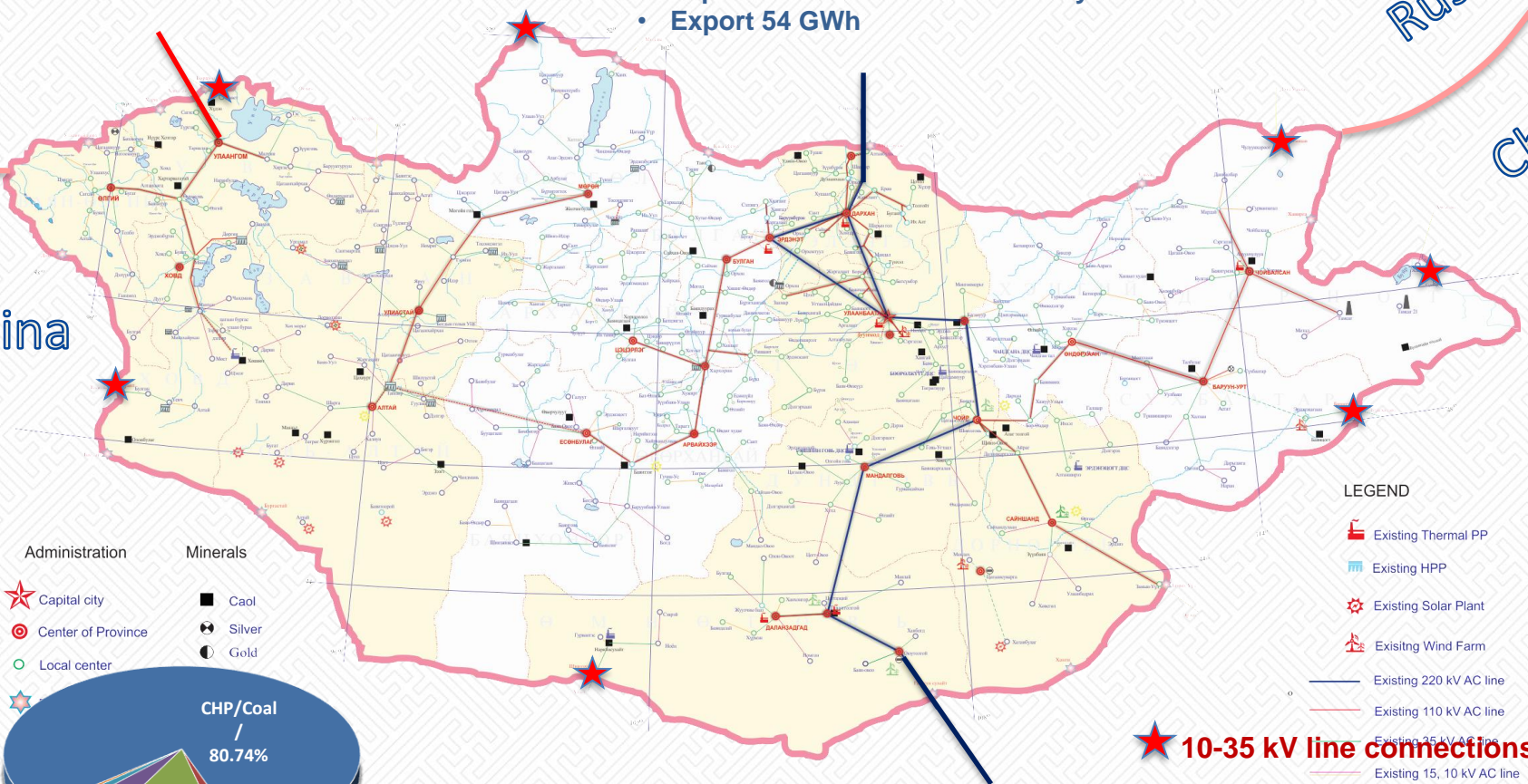
- Import 107 GWh /75% of western system/

Buryat Energo, Russia, 220 kV line connection

- Import 176 GWh /5% of central system/
- Export 54 GWh

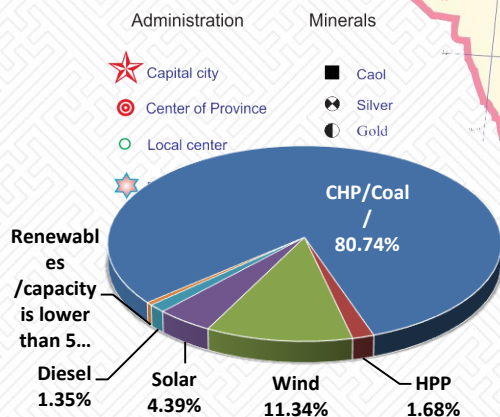
Russia
China

China



IMPC, China, 220 kV line connection

- Import 1200 GWh /15% of central system/



Main drivers and motivation towards energy connectivity for Mongolia

- Big territory and rich energy resource
 - Rich domestic primary energy resources: Coal, Solar, Wind
 - Few population and limited domestic market (only 1.4 GW)
- Economic Benefits
 - Job creation
 - Diversification of economy
 - Cheap electricity from big generation unit
- Social Benefits
 - Poverty/unemployment reduction
 - Improved local infrastructure development
 - Increased energy security



National vision towards regional energy connectivity

- Mongolian Parliament approved “State Policy on Energy” in 2015

1. Vision statement

Vision of this policy document is to fully provide reliable operation of the energy sector, energy security, sustainable development and economic growth of the country and become an energy exporting country with efficient and environmentally friendly technology.

2. Strategies

One of total 6 strategic goals in the document is - 3.1.2 Developing a mutually beneficial cooperation with neighboring and regional countries on energy;

3. Specific policies

- Establish long-term agreement on energy trade with neighboring countries
- Enhance legal environment for foreign investment in the energy sector
- Support export oriented energy projects



Strategy for Northeast Asia Power System Interconnection

(ADB TA9001-MON)

Project Duration: May 2017-May 2019

Workshops:

Ulaanbaatar, Mongolia – June 2017

Gwangju, RoK – November 2017

Tokyo, Japan – March 2018

4. Beijing, PRC – October 2018

5. Manila, Philippines – February, 2019

6. Ulaanbaatar, Mongolia – May 2019

Initiators:



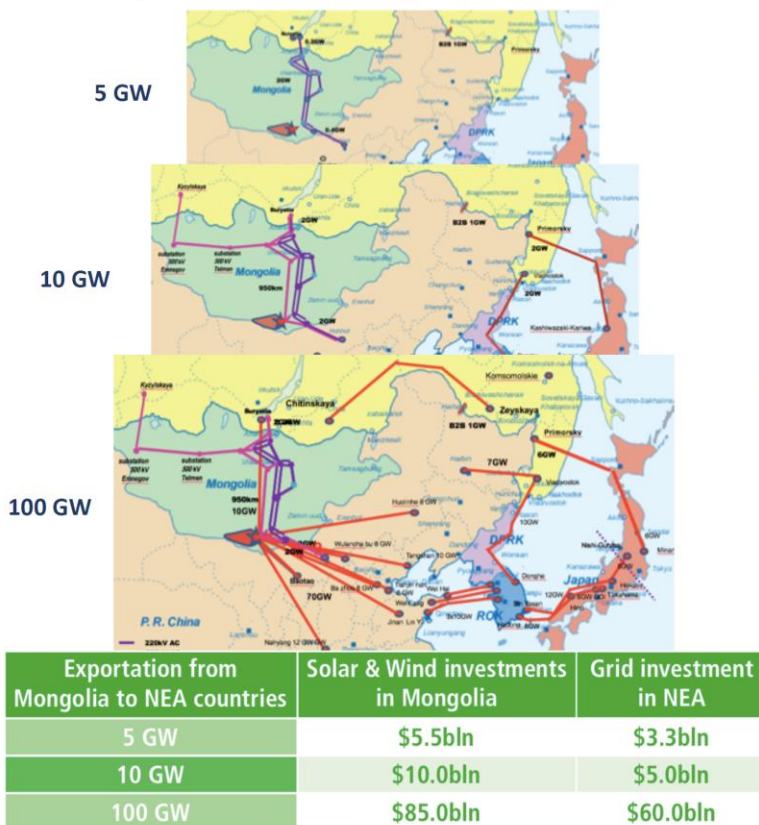
MINISTRY OF FOREIGN
AFFAIRS MONGOLIA

Project Consultants:

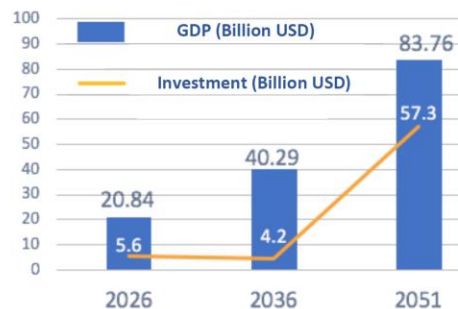


NORTHEAST ASIA POWER SYSTEM INTERCONNECTION STRATEGY (ADB TA-9001 MON) - Results

Mongolia has 200GW of wind energy capacity and 1,200GW of solar energy capacity for export



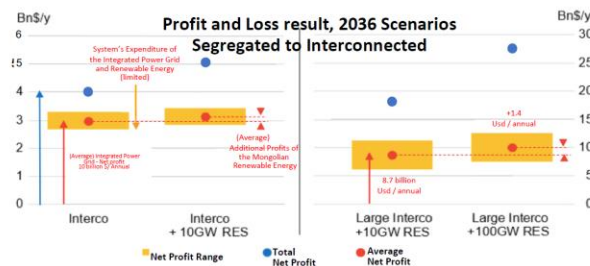
Economic Benefits to Mongolia



Industry and Technology Innovation

Human capacity and technological know-how

NAPSI Economics WIN-WIN to all Countries



What will be the next stage of the study? Continued support from Governments is critical to establish a regional institutional platform for

➤ Standards and regulatory harmonization ➤ Integrated roadmap and Investment project plan



Energy Cooperation Session
Joint Working Group
Ulaanbaatar, Mongolia

UB Dialogue Session on Energy Cooperation

Since 2015, several energy sessions have been held within the “UB Dialogue” forum.

- “Energy and Transportation Connectivity in Northeast Asia: Trends and Opportunities” in 2015
- “Promoting Regional Economic Cooperation and Developing Infrastructure Connectivity in Northeast Asia” in 2016
- Promoting Energy Cooperation in North-East Asia: The North-East Asian Power System Interconnection 5-6 June 2019, Ulaanbaatar, Mongolia

In 2019, a session on energy cooperation was held with the following objectives:

to recognize the role of governments towards realizing power systems interconnection to develop a common electricity market with a view to converge the interest of the six governments in the North-East Asian region,

For this Dialogue, the Government of Mongolia and ESCAP co-chaired the session and invited governments to speak as well as major stakeholders - including those institutions involved in investigating how to capture the potential benefits of power systems interconnection in North-East Asia.



Power interconnection issue in North-East Asian was one of the topic during the plenary session of the Third Eastern Economic Forum, 2017



President of Mongolia Khaltmaa Battulga announced the initiative to establish a regional organization for the Northeast Asian Energy Super Grid at the Fourth Eastern Economic Forum, 2018

In 2019, active consultation happen intending to sign a joint declaration between the participating countries on NEA power interconnection cooperation leading by Presidential office of Mongolia.

How we use upcoming Sixth, Seventh Eastern Economic Forums in development of common consensus in NEA Power Interconnection?

WAY FORWARD

National level (in case of Mongolia):

Enhance legal environment for investors, keep it sustainably

To have a clear policy for governmentally and politically for foreign investors

Develop infrastructure in border area /railway, road, capacity of checkpoints

Subregional level:

Reduce non-physical barriers for energy trade

Support existing and identified bilateral pioneer projects through the regional mechanism

Bilateral connection → Multilateral → Regional Connectivity

Regional level:

Develop multilateral dialog platform

Strengthen existing and initiated institutional mechanisms towards connectivity development



THANK YOU

Website: <http://www.energy.gov.mn/>

