GOVERNMENT OF MONGOLIA
MINISTRY OF ENERGY

POLICY OF ENERGY

BALDORJ Myagmarsuren, Officer of Policy and Planning Department

2023
✓ ENERGY POLICY
✓ CURRENT SITUATION OF THE MONGOLIAN ENERGY
✓ NEW RECOVERY POLICY
✓ NUCLEAR ENERGY POLICY
✓ RESOURCES
PRIORITY AREAS AND STRATEGIC GOALS

SAFETY

- Ensure energy safety and reliable supply
- Develop mutually beneficial cooperation with regional countries
- Develop a human resource

STATE POLICY ON ENERGY

EFFICIENCY

- Transfer the state dominated energy sector into private based competitive market
- Support innovation and advanced technology in energy sector, and implement conservation policy

ENVIRONMENT

- Increase the production share of renewables and reduce negative environmental impact from traditional power generation and greenhouse gas
Long-term development policy

Mongolia's long-term development policy

Vision-2050

Medium-term development policy

• THE NEW RECOVERY POLICY
  • Development target program
  • Five-Year Development Guidelines for Mongolia
  • Five-year guidelines for province, capital city and city development

Short-term development policy

• ACTION PLAN OF GOVERNMENT
  • Governor’s action plan
  • Annual national development plan
  • Budget
THE NEW RECOVERY POLICY

THE PURPOSE OF NEW RECOVERY POLICY

Reduce the negative impact of the coronavirus infection pandemic on the economy

Promptly address development barriers and expanding economic foundation

Effectively implementing the “Vision-2050” long-term development policy of Mongolia

RESOLUTION OF PARLIAMENT OF MONGOLIA No 106 of 2021
In Mongolia, 330 soums, towns and capital cities are supplied with electricity through 5 systems: CES, WES, AUES, EES and SES.
CURRENT SITUATION OF THE MONGOLIAN ENERGY SECTOR

NATIONAL ENERGY PRODUCTION AND IMPORT IN 2022, / million kWh /

PERCENTAGE OF IMPORTED ELECTRICITY
20.7%

DOMESTIC ELECTRICITY: 8,179.30
IMPORT: 2,137.26
TOTAL ELECTRICITY: 10,316.56

NATIONWIDE:
Environmentally friendly, science and advanced technology based energy projects:

- Project of green hydrogen
- Project of nuclear energy
- Project of gas
- Renewable energy

ENERGY DEVELOPMENT PROJECTS

FOR 22 DEVELOPMENT PROJECTS

6 CAPACITY EXPANSION PROJECTS OF CHPS

- CHP-3 325 MW
- CHP-2 100 MW
- CHOIBALSAN CHP 50 MW
- AMGALAN TP 116 MW (100 Gcal/h)
- CHP-4 boiler 500 ton/h
- GAS SOURCES 219 MW (185 Gcal/h)

5 PROJECTS TO BUILD NEW ENERGY SOURCES

- Tavantolgoi CHP 450 MW
- ERDENE BUREN HPP 90 MW
- EG RIVER HPP 315 MW /Research/
- BAGAKHANGAI PP 300 MW
- BAGANUUR CHP 400 MBt

7 POWER SUBSTATION, DISTRIBUTION AND TRANSMISSION GRIDS PROJECTS

- ERDENE BUREN-MYANGAD-ULIASTAI 468 km
- TAVANTOLGOI CHP- OYUTOLGOI 167 km
- SAINSHAND-TSAGAANSUVARGA 204 km
- BAGANUUR-CHINGIS-CHOIBALSAN 518 km
- BAGANUUR-CHOIR 188 km
- MANDAL GOBI-ARVAIKHEER 287 km
- BAGANUUR-NALAIKH-ULAANBAATAR 130 km

4 ENVIRONMENTALLY FRIENDLY POWER PROJECTS BASED ON SCIENCE AND ADVANCED TECHNOLOGIES

- NUCLEAR ENERGY
- HYDROGEN
- LNG
- RENEWABLE ENERGY, solar 35 MW, Wind 15 MW
RENEWABLE ENERGY RESOURCES

SOLAR TIME (2,250-3,300 hour)

1,200-1,600kW*h
(Years of solar radiation)

TOTAL 13,000 TW (year)

HYDRO ENERGY (3800 rivers and streams)

1,100,000 MW 2.5 Trillion kWh

WIND AREA (620,000 km2)

6417.7 MW
56.2 Billion kWh (yers)

1,100,000 MW 2.5 Trillion kWh
It is possible to cooperate in a project to conduct a basic study on the use of nuclear energy in Mongolia.
To implement the New Revival Policy of Mongolia and to intensify the implementation of development projects, and to fulfill objectives reflected in the energy sector, a joint order, “To Study a Possibility of Use of Nuclear Power in Mongolia”, was approved by the Minister of Education and Science, the Minister of Energy, and the Minister of Mining and Heavy Industry dated August 11, 2022.

The working group started conducting the basic research activities and develop proposals for the future policy direction. This working group tasked to develop justification for use of nuclear power, and develop economic briefs related to the construction, operation, decommissioning and fuel management of the nuclear power plant.
Thank you for your attention