

Innovative Strategy for Energy and the Environment (Outline)

Provisional Translation

1. Realization of a society not dependent on nuclear power

(1) 3 guiding principles towards realization of a society not dependent on nuclear power

- 3 guiding principles
 - Strictly apply the stipulated rules regarding forty-year limitation of the operation.
 - Restart the operation of nuclear power plants once the Nuclear Regulatory Commission gives safety assurance.
 - Not to plan the new and additional construction of a nuclear power plant.
- The Government will mobilize all possible policy resources to such a level as to even enable zero operation of nuclear power plants in the 2030's. As its first step, the Government will compose the "Framework for Green Development Policy" by the end of this year.

(2) 5 policies towards realisation of a society not dependent on nuclear power

- The nuclear fuel cycle policy
 - Engage in reprocessing projects with assuming responsibility for the international community
 - Have discussions with related local governments and with the international community responsibly
- Launch research on direct disposal
 - Regarding Monju, conduct research on the reduction effect of radioactive waste, the decrease of a toxic level and others. Develop **the time-bound research**, implement it and, after harvesting its outcomes, finalize it.
 - Promote R&D on processing technology of spent fuels for the reduction effect of radioactive wastes and for the decrease of a toxic level. Also promote R&D on burner reactors and others.
 - **The Government will establish a forum for consultation with related local municipalities and/or areas of electricity consumption** and will immediately embark on works to find solutions for issues regarding direct disposal of spent fuels, those regarding institutions and means of intermediate storage, and those regarding ways to find sites for final disposal.
- Maintaining and strengthening human resources and technology
 - **Develop policies for maintaining and strengthening human resources and technology by the end of this year**
- Cooperation with the international community
- Strengthening measures for local areas with nuclear power facilities
- Systems of nuclear power projects and the liability system for nuclear-related damages

(3) Review of the path towards a society not dependent on nuclear power

- **Review and constantly re-examine** the path towards realization of a society not dependent on nuclear power in order to be sufficiently flexible and responsive to any unforeseen changes in the future
 - the state of the expansion of green energy
 - the international situation regarding energy
 - the status of cooperation and understanding of local governments on the disposal of spent fuels
 - the impacts on people's lives and economic activities
 - the level of people's confidence in nuclear energy and the Government's supervision
 - the relationship with the international community

2. Realization of green energy revolution

- **Compose the "Framework for Green Development Policy" by the end of this year.**
- Electricity Saving: Reduce more than 110BWh by FY 2030
- Energy Saving : Reduce more than 72 million kl by FY 2030
- Renewables : Develop more than 300BWh by FY 2030

(all compared with FY2010)

3. For ensuring stable supply of energy

- Intensive use of thermal power generation
- Intensive use of heat such as the introduction of co-generation systems of 150 BWh
- Technologies related to the next generation energy
- Stable and inexpensive securement and supply of fossil fuels

4. Bold implementation of reform of electric power system (Compose the Strategy for the "Reform of Electricity Power Systems (tentative)" by the end of this year)

5. Steady implementation of global warming countermeasures (Formulate the "Global Warming Action Plan" for the period from after 2013 by the end of this year)

- Disclose information in a detailed manner through a process that will sufficiently ensure transparency and **review and constantly re-examine them**