

1. Title of the measure

Promotion of development of energy conservation technology
(Period: 2003-)

2. Purpose of the measure

In order to further promote the development of energy-conservation technology, it is necessary to encourage collaborative efforts towards technology development through the fusion and combination of various essential technologies, thereby creating synergetic effects. From this perspective, with the aim of encouraging collaborative technological development among various entities so as to meet the social and economic needs expected in the future, the Energy Conservation Technology Strategy has been formulated as a medium and long-term technology strategy for the year 2030. This technology strategy established five priority areas for technology development from a medium and long-term perspective, namely "technology for hyper-combustion systems," "technology for use of energy beyond the space and time," "technology for creating energy-efficient information-oriented living environments," "technology for establishing an advanced transportation society," and "next-generation energy-efficient devices." The energy conservation technology development program provides financial support in an intensive fashion for the purpose of supporting technology development projects in accordance with the Energy Conservation Technology Strategy, thereby promoting the development of energy-conservation technology in an efficient and effective manner.

3. Target sector (transport, building, manufacturing, etc.)

Project operators: private companies (industrial, household/commercial, transport)

Project schemes:

(Example 1) Government->private companies

(Example 2) Government->NEDO->private companies

* The government provides support to private companies by commissioning or sponsoring the projects.

* The government distributes NEDO grants to cover project operating costs.

4. Funds and budget for the measure

5. Method for measuring the effect of the measure (energy consumption reduction, energy cost reduction, etc.)

6. Result of the measure

- Development of high-efficiency 1700 degree C-class gas turbines capable of meeting power companies' need for large-capacity turbines
- Development of high-speed, large-capacity, and reliable router switching technology capable of serving as a lifeline for next-generation high-speed communication networks
- Development of infrastructure technology for the creation of ultra-fine particle steel so as to produce stronger and thinner steel plate for cars, thereby achieving lighter and more fuel-efficient cars

7. Future tasks

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8. Others

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9. Contact

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