

1. Title of the measure

Measures Pertaining to Machinery and Equipment (Top Runner Program) *1999–present

2. Purpose of the measure

This program sets its target standard values in accordance with the Energy Conservation Law, calling for obligation by manufacturers and importers to enhance the energy consumption efficiency of their products. The manufacturers are obliged to surpass a weighted average value for all their products per category for each predetermined target year. This is one way of setting energy efficiency target values of equipment and is based on the concept that "manufacturers produce products that are better than products with the highest value in energy efficiency or energy consumption of all the products in the same group that are currently sold on the market."

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

Target products:

1. Passenger cars / 2. Trucks / 3. Air conditioners / 4. Television receivers / 5. Video tape recorders / 6. Lighting apparatuses / 7. Copying machines / 8. Computers / 9. Magnetic disk devices / 10. Electrical refrigerators / 11. Electrical freezers / 12. Heaters / 13. Gas cooking appliances / 14. Gas water heating appliances / 15. Oil water heaters / 16. Electric toilet seats / 17. Vending machines / 18. Power transformers / 19. Jar rice cookers / 20. Microwave ovens / 21. DVD recorders / 22. Routing equipment / 23. Switching equipment / 24. Multifunction Devices / 25. Printers / 26. Heat Pump Water Heater / 27. AC motors / 28. LED lamps / 29. Heat insulating materials / 30. Window frame / 31. Multi layard garass
(Total 31 products as of 2015 Sep)

4. Funds and budget for the measure

Please refer the "(3) Subsidies and budgetary measures".

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

Improvement of energy consumption efficiency

6. Result of the measure

As a result of cooperative effort made by manufacturers under the top runner program, energy efficiency for each appliance was greatly improved to higher-than-expected.

Example of its improvement ratio of energy use:

–Gasoline passenger vehicles 48.8% (FY1995→FY2010)

–Air-conditioners (Types other than direct airflow & wall-mount) 32.3% (FY1997→FY2007)

–Electric refrigerators 43.0% (FY2005→FY2010)

7. Future tasks

Business equipment such as composite equipment, business use refrigerators, and showcase refrigerators, as well as building construction related equipment are considered to be added to specified equipment.

8. Others

9. Contact

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