

Workshop on integrating carbon pricing with energy policies

Carbon Taxes with energy policies

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Tax for Measures against Global Warming

With the objectives of drastically enhancing the measures for controlling energy-origin CO₂ emissions (for energy saving, popularization of renewable energy, and other purposes), which make up of about 90% of the greenhouse effect gas in Japan, and having the users of fossil fuel equally share the financial burden, the petroleum and coal tax on each fuel will be increased according to the CO₂ emissions from that fuel to cover taxation for measures against global warming.

- The tax revenue will be used for truly effective measures for controlling energy-origin CO₂ emissions under the special account for energy measures (energy supply-demand account).
- In light of the current difficult economic climate, the tax will be increased starting in October 2012 in three phases.
- *The petroleum and coal tax is intended to ask all users of petroleum and other fossil fuels to share the funds required for energy measures under the beneficiary payment principle.
- For clarification of the relation between the benefits and financial burden, the expenditures from this taxation will be separately reported as the special account for energy measures (energy supply-demand account).

[Main uses of the tax revenue]

1. Maximized introduction of renewable energy

- i. Technological development, demonstration, and other activities toward more efficient wind power generation
- ii. R&D and other activities for higher-performance solar batteries
- iii. Development and promotion of geothermal resources
- iv. Promotion of technological development for ocean and biomass energies
- v. Identification of the problems associated with the system for introduction and promotion of small hydroelectric generation and demonstration of it

Offshore wind power generation



Drilling rig for geothermal power generation



2. Maximized promotion of energy saving

- I. Acceleration of measures for energy and power saving at businesses by, e.g., supporting the introduction of energy saving equipment
- II. Promotion of energy saving houses and buildings
- III. More efficient use of renewable and used energy, heat, etc.
- IV. Acceleration of popularization of the next-generation vehicles
- V. Upgrading of hydrogen feeding equipment, etc. toward the introduction of fuel-cell vehicles into market





Tax Measures for Global Warming

 \succ Tax rate corresponding to the amount of CO2 emissions for all fossil fuels (JPY 289/t-CO2) Enforced from Oct. 2012 and increases in the tax rate gradually over 3 and a half years All the tax revenue will be allocated for curbing energy-oriented CO2 emissions

Tax Rate Tax Rate of CO2 Emissions per Ton

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