



Where does the electricity for our trains come from?

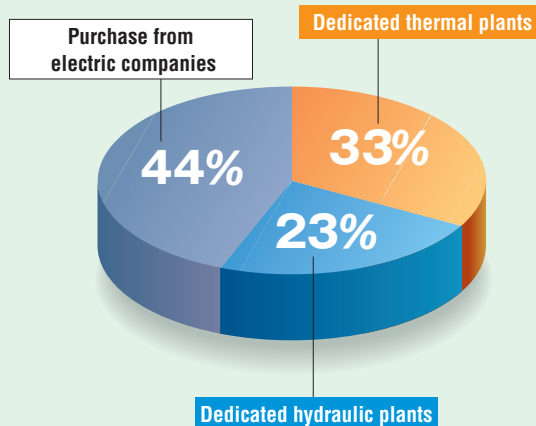
Devised use of dedicated power plant has reduced CO₂ emissions by 16% compared with 1990 levels.

JR East obtains more than half its annual electricity from dedicated thermal and hydraulic plants. These efficient operations help reduce CO₂.

Moreover, the hydraulic plant supplying about a quarter of our total power is a clean energy source emitting zero CO₂. We continue to devise power-generation methods that improve the efficiency of thermal power. A central load-dispatching command facility controls the entire volume of energy generated and regulates the transmission network. Recently we are also exploring natural energy resources such as wind and photovoltaic power.

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JR East's electricity source



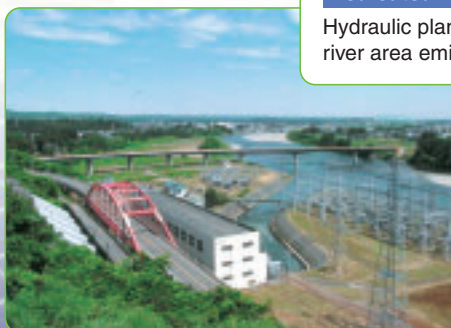
Dedicated thermal plant

Kawasaki Thermoelectric Power Plant has improved power efficiency with its combined-cycle power-generating units.



Dedicated hydraulic plant

Hydraulic plant in Shinano-river area emits zero CO₂.



Photovoltaic generator panel

Panel & roof material integrated solar power generation system for the Shinkansen platforms of Takasaki Station

