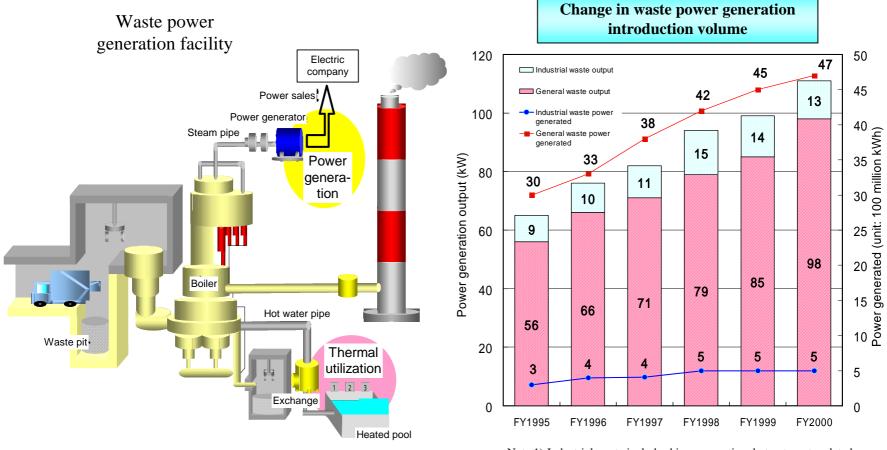


What Is Waste Power Generation?

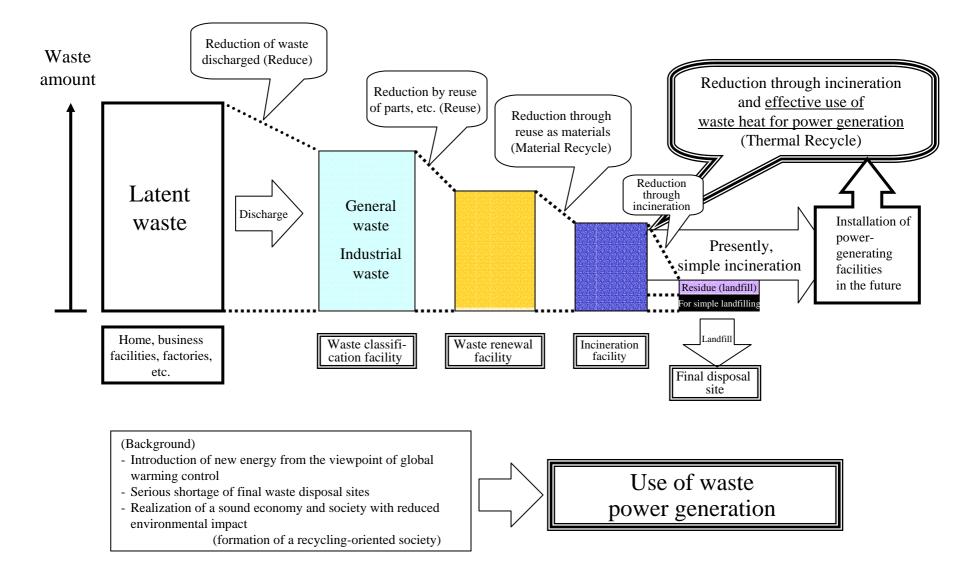
Power generation using heat from waste incineration. Can be combined with thermal utilization.



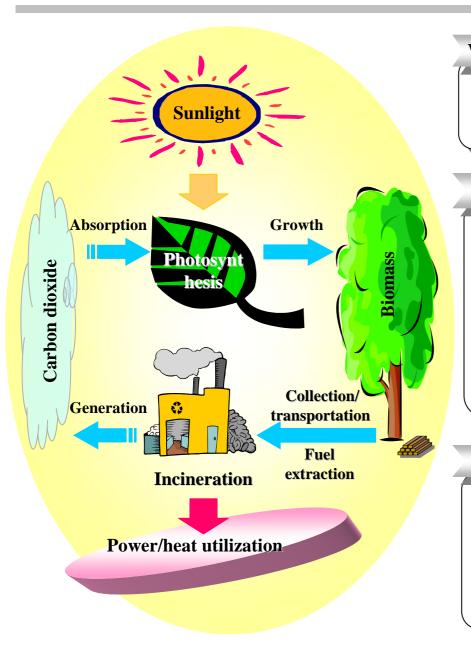
Note 1) Industrial waste includes biomass portion, but not waste related to the pulp and paper-making industry.

Note 2) This tally does not include portion generated by super waste power generation.

3R Concept and Waste Power Generation in the Basic Law on Promoting the Formation of a Recycling-Oriented Society



What is Biomass Energy?



What is biomass?

Organic matter from animals and plants, except for fossil resources, that is usable as energy source

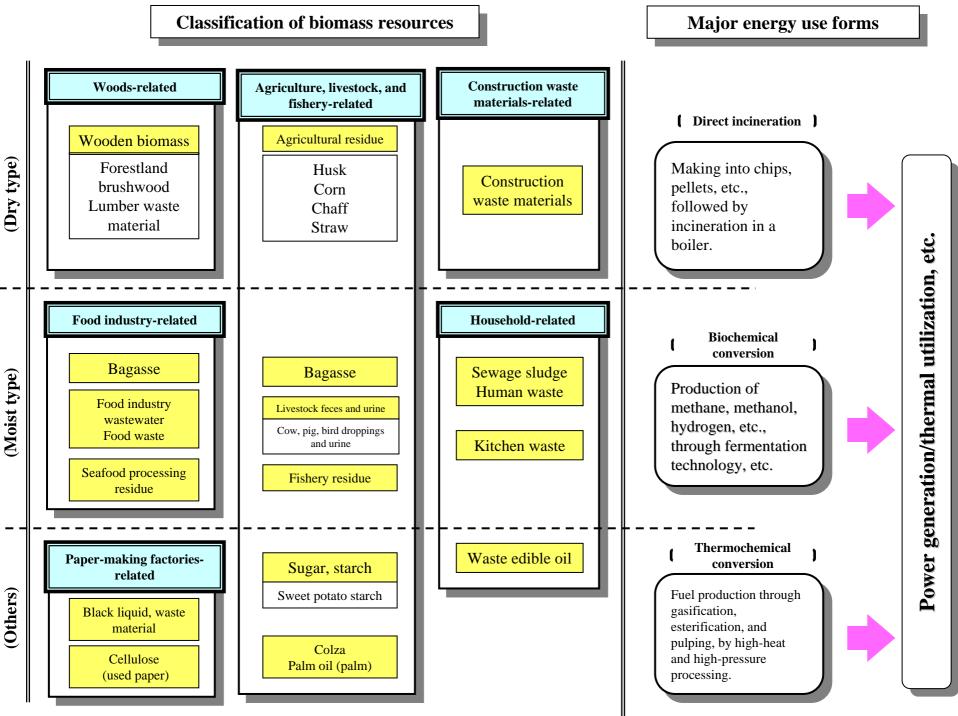
Significance as energy

(1)Biomass is carbon-neutral renewable energy, and additional CO_2 will not be emitted if the balance of discharge of CO_2 is considered through fixed CO_2 use, by fostering biomass at the same time with utilization.

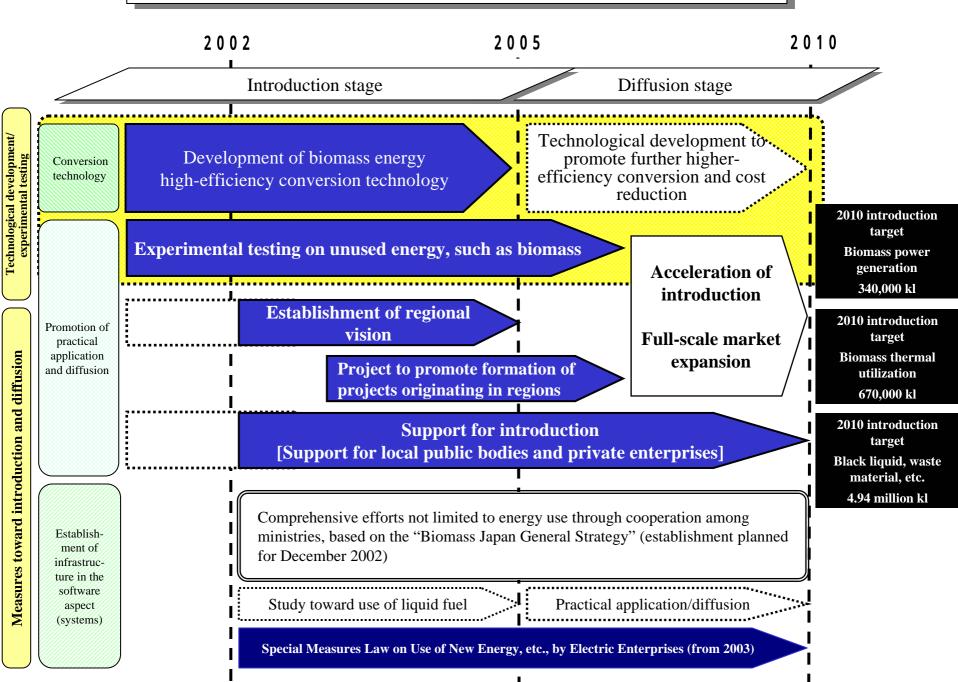
(2) Diversification of energy sources can be promoted by newly using biomass, which has never been used.

Problems to conquer

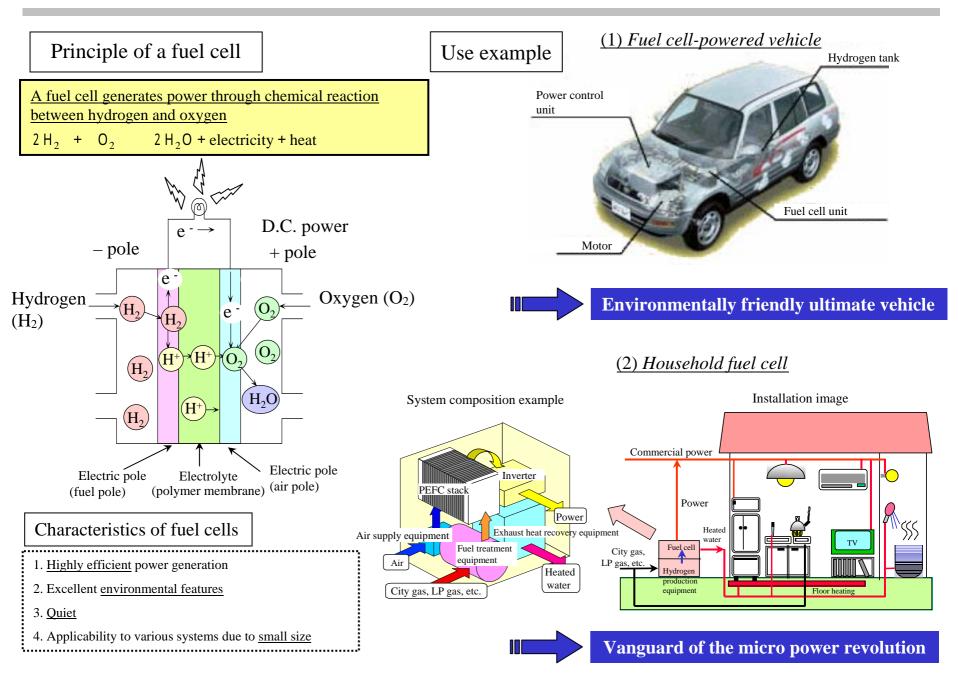
 (1) Its generation distribution is wide and thin, and the energy density per capacity is low, resulting in a great load for resource collection and transportation.
(2) Facilities tend to be of small scale and dispersed, and it is difficult to enhance efficiency and reduce cost through scale merit.



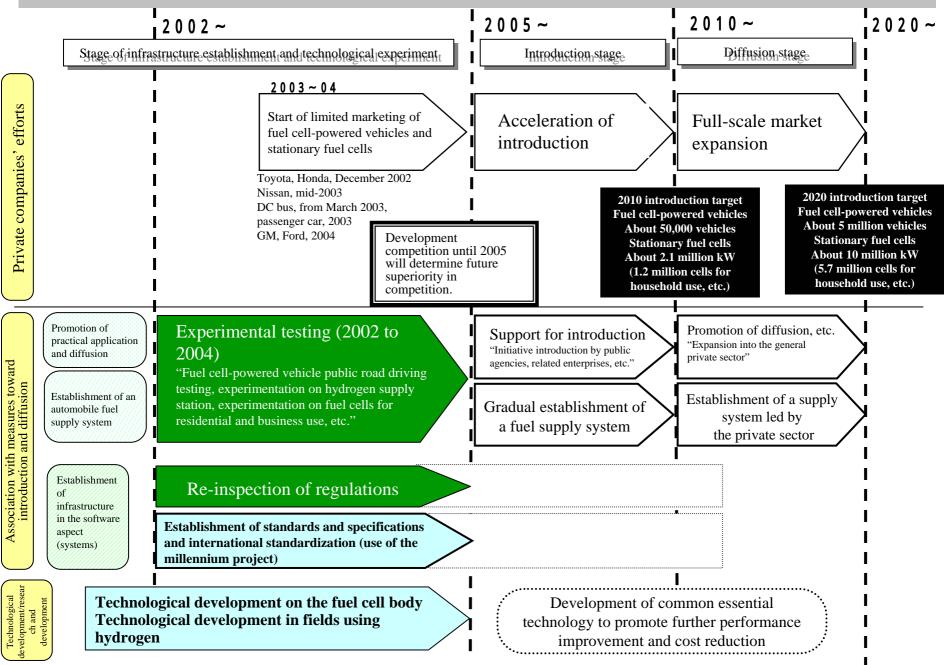
Scenario on Introduction and Expansion of Biomass Energy



What is a Fuel Cell?



Scenario on Introducing Fuel Cell-Powered Vehicles and Stationary Fuel Cells



(Reference) Fuel cell-related budget, FY2003 budget draft, 30.7 billion yen (FY2002 budget, 22 billion yen)