

you that this nation currently consumes about 300 million tons of coal annually for electric power generation.

In addition to the economic and resource conservation benefits associated with the breeder, we believe that significant environmental advantages will accrue as a result of its development. Like the light-water reactor, the breeder will not add products of combustion to the atmosphere. Since the breeder will operate at higher thermal efficiencies, the amount of waste heat released to the environment per unit of power produced will be comparable to that from the modern fossil-fueled power plant. Finally, the LMFBR, because of its inherent characteristics, can be readily designed to even improve on the already very low releases of radioactive wastes to the environment at the nuclear plant site.