

Clean Energy presents a broad survey of the energy problems facing society over the coming decades and the prospects for their solution.

The book emphasizes the importance of developing a strategy for the world's future energy supply. The strategy must take into account: the finite supplies of natural gas and petroleum; the increased consumption of fuel by developing economies; the concern over greenhouse gas emissions; the pollution caused by burning coal (especially coal with a high sulphur content); the difficulties and costs of extracting unconventional fossil fuels; and the technical, sociological and cost barriers that restrict the use of renewable forms of energy.

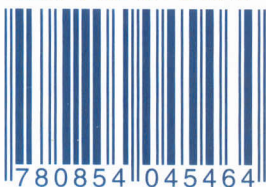
Clean Energy sets the various renewable energies (wind, waves, solar *etc*) in the context of present and projected world production of energy and its use in the time-frame until 2020 and looks speculatively beyond that. It looks at the possibilities for reducing pollution from fossil fuels and tackles the serious problem of how to store energy in order to smooth out fluctuations in supply and demand.

Clean Energy is well illustrated with diagrams and photographs and is accessible to anyone who has studied science to university entrance level. It will appeal to everyone with a serious interest in environmental matters and in the interaction between energy usage and the environment.

This series has been devised in response to the increasing pressure being put on the chemical process industries to develop environmentally friendly products and processes, with the key being a reduction in waste. The series will therefore seek to address major issues relevant to the chemistry of waste minimisation. Each monograph will introduce a different clean technology concept to academic and industrialists, presenting current research and addressing problem-solving issues.

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The cover photograph is of an experimental solar-thermal dish developed by CSIRO, Australia for the steam reforming of natural gas to hydrogen for use in fuel cells