1. Record Nr. UNINA9910813755903321 Autore Hore-Lacy Ian Titolo Nuclear energy in the 21st century: the World Nuclear University primer // Ian Hore-Lacy London,: World Nuclear University Press Pubbl/distr/stampa Burlington, Mass., : Elsevier, c2006 **ISBN** 1-281-01199-1 9786611011994 0-08-049753-5 Edizione [1st ed.] Descrizione fisica 1 online resource (169 p.) 333.7924 Disciplina 621.48 Soggetti Nuclear energy - Study and teaching Nuclear power plants - Study and teaching Power resources - Study and teaching Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Front Cover; Nuclear Energy in the 21st Century; Copyright Page; Nota di contenuto Contents; Foreword; Introduction; Chapter 1. Energy use; 1.1 Sources of energy; 1.2 Sustainability of energy; 1.3 Energy demand; 1.4 Energy supply; 1.5 Changes in energy demand and supply; 1.6 Future energy demand and supply; Chapter 2. Electricity today and tomorrow; 2.1 Electricity demand; 2.2 Electricity supply; 2.3 Fuels for electricity

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Sommario/riassunto

The onset of the 21st century has coincided with mounting scientific evidence of the severe environmental impact of global energy consumption. In response, governments and environmentalists on every continent have begun to re-evaluate the benefits of nuclear power as a clean, non-emitting energy resource. Today nuclear power plants operate in some 30 countries, and nuclear energy has become a safe and reliable source of one-sixth of the world's electricity. This base has the potential to be expanded widely as part of a worldwide clean-energy revolution. Nuclear Energy in the 21st Cen