Record Nr. UNINA9910815118903321 Autore O'Keefe Philip Titolo The future of energy use / / Phil O'Keefe, Geoff O'Brien, and Nicola Pearsall London; ; Washington, DC, : Earthscan, 2010 Pubbl/distr/stampa **ISBN** 9781849774819 1-136-54341-4 1-136-54342-2 1-282-61727-3 9786612617270 1-84977-481-1 Edizione [2nd ed.] 1 online resource (297 p.) Descrizione fisica Altri autori (Persone) HillR <1937-> (Robert) Disciplina 333.79 Soggetti Power resources Energy policy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Rev. ed. of: The future of energy use / Robert Hill, Phil O'Keefe, and Colin Snape, 1995. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Cover: THE FUTURE OF ENERGY USE: Copyright; Contents: List of Figures, Tables and Boxes; Acknowledgements; Foreword; List of Acronyms and Abbreviations: 1 The Changing Energy Landscape: 2 Cost of Energy and Scenario Planning; 3 Energy and Development Planning; 4 Efficiency of End Use; 5 Conventional Fuels; 6 Nuclear Energy: 7 Renewable Energy Resources: 8 Energy Futures: Appendix 1 Global Energy Resources: Appendix 2 Global Carbon Dioxide Emissions: Appendix 3 Global Warming Potential (GWP); Appendix 4 Measurements and Conversion Tables; Appendix 5 Costing Energy Projects; Index Following the success of its predecessor, this second edition of The Sommario/riassunto Future of Energy Use provides essential analysis of the use of different forms of energy and their environmental and social impacts. It examines conventional, nuclear and renewable sources and technologies, using relevant case studies and providing a vital link between technology and related policy issues. The new edition has

been comprehensively developed and updated, including new text,

diagrams and tables, with entire new sections that reflect the significant changes that have occurred since the first edition. New material includes: a stronger focus on climate change policy and energy security; a discussion of the long run marginal costs of oil; coverage of the biofuels debate in both the developed and developing worlds; an outline of developments in the built environment (including transport issues); and the relationship between behaviour and energy use. It reviews policy shifts with relation to energy efficiency, carbon capture and storage, combined heat and power, and combined cycle gas turbines. There is new coverage of nuclear waste, storage and proliferation, and new material on microgeneration and biofuels, as well as essential new information on carbon markets and the hydrogen economy. The result is a unique introduction and guide to all the vital issues within energy for students, academics and professionals new to the field. --