Record Nr. UNINA9910462532503321 Sustainable energy [[electronic resource]]: choosing among options // **Titolo** Jefferson W. Tester ... [et al.] Pubbl/distr/stampa Cambridge, MA, : MIT Press, c2012 **ISBN** 0-262-30463-5 0-262-30556-9 Edizione [2nd ed.] Descrizione fisica 1 online resource (1056 p.) Altri autori (Persone) TesterJefferson W Disciplina 333.79/4 Soggetti Renewable energy sources Energy consumption - Environmental aspects Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ""Contents""; ""Preface to the First Edition""; ""Acknowledgments from Nota di contenuto the First Edition""; ""Preface to the Second Edition""; ""Acknowledgments for the Second Edition""; ""Chapter 1: Sustainable Energy""; ""Sustainable Energy: The Engine of Sustainable Development""; ""The Energy Portfolio""; ""Defining Energy""; ""Aspects of Energy Production and Consumption"": ""National and Global Patterns of Energy Supply and Utilization""; ""Environmental Effects of Energy ""; ""Confronting the Energy-Prosperity-Environmental Dilemma"": ""Mathematical Representations of Sustainability"" ""The Rest of This Book"""Problems""; ""References""; ""Chapter 2: Estimation and Evaluation of Energy Resources""; ""Units of Measurement""; ""Comparison of Different Forms of Energy""; ""The Energy Life Cycle""; ""Estimation and Valuation of Fossil Mineral Fuels, Especially Petroleum""; ""Estimation and Valuation of Nuclear Fuel Resources"": ""Estimation and Valuation of Renewable Energy Resources""; ""Lessons for Sustainable Development""; ""Summary and Conclusions""; ""Problems""; ""References""; ""Chapter 3: Technical Performance"" ""The Relation of Technical Performance to Sustainability"""An Introduction to Methods of Thermodynamic Analysis""; ""The

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