1. Record Nr. UNINA9910799237503321 Autore Carlson W. Bernard Titolo Electrical Conquest: New Approaches to the History of Electrification Pubbl/distr/stampa Cham:,: Springer,, 2024 ©2023 **ISBN** 3-031-44591-0 Edizione [1st ed.] Descrizione fisica 1 online resource (282 pages) Collana Archimedes Series; ; v.67 Altri autori (Persone) ConwayErik M Soggetti Electricity - History Technology and civilization Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Acknowledgements -- Contents -- Contributors -- Chapter 1: Introduction -- 1.1 The Systems Approach of Thomas P. Hughes --1.2 Electrical History Since Hughes --1.2.1 The Social History of 1.2.2 Electricity and Political Economy --Electrification --Electricity and Finance --1.2.4 The Envirotechnical View -- 1.3 Energy Transitions and Imaginaries -- 1.4 The Organization of this Volume -- 1.5 Conclusion -- Bibliography -- Chapter 2: A Model for Heterogeneous Energy Transitions -- 2.1 Introduction -- 2.2 General Characteristics of Energy Transitions -- 2.2.1 Three Arguments --2.2.2 A Typology of Transitions -- 2.3 A Model for Heterogeneous 2.3.1 Thomas Hughes and Electrical Energy Transitions --Technological Momentum --2.3.2 Path Dependence Theory -- 2.4 The Model and the Decarbonizing Energy Transition -- 2.5 What Is Different in the Decarbonization Transition? -- Bibliography --Chapter 3: Surveying the Landscape: The Oil Industry and Alternative Energy in the 1970s -- 3.1 Introduction: Energy Transitions and Electrical History -- 3.2 The Multi-Level Perspective -- 3.3 Landscape Level: Coming Unstuck --3.3.1 Environmentalism Sommario/riassunto This book examines the history and philosophy of science and technology, focusing on electrical systems' development over the past

150 years. Edited by W. Bernard Carlson and Erik M. Conway, it explores the integration of science and technology with social, cultural,

and political aspects. The authors aim to understand how electrical power systems have evolved and impacted human and natural environments. The book discusses themes such as the social impact of electricity, political economy, and technological transitions. Intended for historians, philosophers, scientists, and industry professionals, the volume provides insights into the complex interplay between science, technology, and society.