1. Record Nr. UNINA9910145288303321 Autore Makansi Jason Titolo Lights out [[electronic resource]]: the electricity crisis, the global economy, and what it means to you / / Jason Makansi Hoboken, N.J., : John Wiley & Sons, c2007 Pubbl/distr/stampa **ISBN** 1-119-19759-7 1-281-00238-0 9786611002381 0-470-17430-7 Descrizione fisica 1 online resource (322 p.) Disciplina 333.793 333.7932 333.79320973 Electric utilities - United States Soggetti 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 (p. 283-289) and index. Preface -- Acknowledgments -- The worst-case scenario -- Night of Nota di contenuto the living dead -- The production and delivery value chain -- Around the world, around town -- Preventing the worst case -- Insecurities, vulnerabilities, and an uneasy state of the industry -- Why a first-world country has a third-world grid -- Living with a transaction economy --The brain drain -- Environmental imperatives -- Houston, we have a problem -- The impact of lengthening supply lines : how elastic are they? -- Fighting "the last war," planning the next one -- It's that '70s show -- Sticker shock (without the sticker) -- Electricity storage --Coal: extracting its full value -- Exercising the nuclear option -- Savvy

Sommario/riassunto

-- Index.

A behind-the-scenes exposure why our electricity system is headed for a state of emergency-and what can be done to head it off Most people

Redefining the grid with real intelligence -- The rest of the world -- A vision for the future: daydream, nightmare, or a good night's rest? -- Postscript: personal accountability -- Bibliography -- About the author

consumption, empowering ratepayers -- Distributed power --

don't realize that skyrocketing global energy demand and economic growth severely affect the supply of electricity. Between production (power plants) and delivery is an antiquated, ""third-world"" transmission grid that is in desperate need of hardening against breakdowns, terrorist attacks, inadequate carrying capacity, and operational obsolescence. And while electricity doesn't hold the headlines or dramatic power of oil, the ability to ensure its unint