

The book was found

The Grid: Biography Of An American Technology (MIT Press)



Synopsis

The North American power grid has been called the world's largest machine. The grid connects nearly every living soul on the continent; Americans rely utterly on the miracle of electrification. In this book, Julie Cohn tells the history of the grid, from early linkages in the 1890s through the grid's maturity as a networked infrastructure in the 1980s. She focuses on the strategies and technologies used to control power on the grid -- in fact made up of four major networks of interconnected power systems -- paying particular attention to the work of engineers and system operators who handled the everyday operations. To do so, she consulted sources that range from the pages of historical trade journals to corporate archives to the papers of her father, Nathan Cohn, who worked in the industry from 1927 to 1989 -- roughly the period of key power control innovations across North America. Cohn investigates major challenges and major breakthroughs but also the hidden aspects of our electricity infrastructure, both technical and human. She describes the origins of the grid and the growth of interconnection; emerging control issues, including difficulties in matching generation and demand on linked systems; collaboration and competition against the backdrop of economic depression and government infrastructure investment; the effects of World War II on electrification; postwar plans for a coast-to-coast grid; the northeast blackout of 1965 and the East-West closure of 1967; and renewed efforts at achieving stability and reliability after those two events.

Book Information

Series: MIT Press

Hardcover: 336 pages

Publisher: The MIT Press (October 27, 2017)

Language: English

ISBN-10: 0262037173

ISBN-13: 978-0262037174

Product Dimensions: 6 x 0.6 x 9 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,870,428 in Books (See Top 100 in Books) #84 in Books > Politics & Social Sciences > Politics & Government > Public Affairs & Policy > Energy Policy #3114 in Books > Engineering & Transportation > Engineering > Reference > History #6995 in Books > Science & Math > Technology > History of Technology

Customer Reviews

Julie A. Cohn is Research Historian at the Center for Public History at the University of Houston.

[Download to continue reading...](#)

The Grid: Biography of an American Technology (MIT Press) Dot Grid Journal: A Dotted Notebook with Bullet Dots & Dot Grid Paper to Stay Organized / Dotted Grid to Bullet Journal Your Notes Dot Grid Notebook 8 Dots Per Inch: Dot Grid Composition Book Dotted 0.5 inches (approx 12.5 mm) Precise Dot-Grid Journal. Paper Size 7.50"W-9.75"H (Volume 5) American Sniper: The Incredible Biography of an American Hero, Chris Kyle (Chris Kyle, Iraq War, Navy Seal, American Icons, History, Biography, PTSD) Dot Grid Paper Notebook: Watercolor Circles: 7.5 x 9.5 Dot Grid Journal, 170 Pages (Dot Notebooks) Bullet Blue Journal: Bullet Grid Journal Blue Polka Dots, Large (8 x 10), 150 Dotted Pages, Medium Spaced, Soft Cover (Vintage Dot Grid Journal Large) (Volume 6) Bullet Gold Journal: Bullet Grid Journal Gold Polka Dots, Large (8 x 10), 150 Dotted Pages, Medium Spaced, Soft Cover (Vintage Dot Grid Journal Large) (Volume 11) Graffiti: 6x 9 Dot Grid Journal | Professionally Designed, Work Book, Planner, Dotted Notebook, Bullet Grid Journal, Diary, 100 Pages (Volume 7) Sketch Journal: Bullet Grid Journal, 8 x 10, 150 Dot Grid Pages (sketchbook, journal, doodle) Travelers Doodle Notebook: Bullet Grid Journal, 8 x 10, 150 Dot Grid Pages (sketchbook, journal, doodle) Big Bullet Grid Journal for Kids: Large Dot Grid Notebook for Children A4, 110 Dotted Pages, Wide Spaced, Soft Cover (Kids Dotted Journal) (Volume 1) Travelers Doodle Book: Bullet Grid Journal, 8 x 10, 150 Dot Grid Pages (sketchbook, journal, doodle) Women's Doodle Journal: Bullet Grid Journal, 8 x 10, 150 Dot Grid Pages (sketchbook, journal, doodle) Bullet Grid Journal Notebook: Dot Grid Book, 8 x 10, 150 Pages (sketchbook, journal, doodle) Dance Bullet Grid Journal: A Perfect Gift for Dancers and Teachers, 150 Dot Grid and Inspiration Pages, 8x10, Professionally Designed (Journals, Notebooks and Diaries) Bullet Gray Journal: Bullet Grid Journal Gray Polka Dots, Large (8 x 10), 150 Dotted Pages, Medium Spaced, Soft Cover (Vintage Dot Grid Journal Large) (Volume 7) Bullet Black Journal: Bullet Grid Journal Black Polka Dots, A4 (8.27 x 11.69), 150 Dotted Pages, Wide Spaced, Soft Cover (Vintage Dot Grid Journal A4) (Volume 9) Bullet Journal: Wood Notebook Dotted Grid, 5,5"x 8,5": Dot Grid Journal, Design Book, Planner, Dotted Notebook, Work Book, Sketch Book, Math Book, 5mm ... paper) (Dotted Journal Notebooks) (Volume 28) Grid Box Book: Grid Box Notebook, 8 X 10, 120 pages Tiny House Engineers Notebook: Volume 1, Off Grid Power: Tiny House Engineers Notebook: Volume 1, Off Grid Power

Contact Us

DMCA

Privacy

FAQ & Help