

The Grid The Fraying Wires Between Americans And Our Energy Future

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“ The Grid ” is an insightful yet verbose book on America ’ s grid technology; it ’ s history together with the laws, people and logic that brought it into existence.

The Grid: The Fraying Wires Between Americans and Our ...

The Grid: The Fraying Wires Between Americans and Our Energy Future (Audio Download): Amazon.co.uk: Gretchen Bakke, Emily Caudwell, Audible Studios for Bloomsbury: Audible Audiobooks

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The grid is an accident of history and of culture, in no way intrinsic to how we produce, deliver and consume electrical power Yet this is the system the United States ended up with, a jerry-built structure now so rickety

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America’s electrical grid, an engineering triumph of the twentieth century, is turning out to be a poor fit for the present. It’s not just that the grid has grown old and is now in dire need of basic repair. Today, as we invest great hope in new energy sources—solar, wind, and other alternatives—the grid is what stands most firmly in the way of a brighter energy future.

The Grid: The Fraying Wires Between Americans and Our ...

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From today’s featured article Thomas White (1888 – 1957) was an Australian politician and First World War pilot. In 1915, he was among the first Australian Flying Corps members to see action when he was deployed to the Middle East with the Mesopotamian Half Flight. He was awarded the Distinguished Flying Cross and twice mentioned in despatches for his war service. He was elected to the House ...

Wikipedia, the free encyclopedia

“ It ’ s about local providers producing power, reducing carbon, pollution and the energy losses from the grid – there is a huge amount of power lost just from transporting it along the wires. ”
The resulting structure is a trapezoid shape, wrapped around three shipping containers placed on a steel shelving system.

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Former SafeSpeed executive who wore FBI wire charged with bribery conspiracy involving Oak Lawn red light camera scheme
Chicago Tribune - 31 Aug 2020 22:55. Omar Maani, a former SafeSpeed executive who wore a wire for the FBI as part of a sprawling public corruption investigation was charged with bribery Monday.

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Comprising three brass bed-plates one engraved to ‘ 6198291 W. Crook ’ , another stamped with ‘ Duty ’ on the reverse, five brass s/titles T/8/Middlesex T/9/Middlesex (2) T/10/Middlesex (2) and a three part white metal example T/10/Middlesex, this with original backing plate; a silver wire embroidered shoulder strap, ‘ 1st Mx. ’ , some fraying to the border wire decor...

The Jack Webb Collection of Medals and Militaria | Dix ...

Islington Council has partnered with Honda and electric car charging firm Moixa to introduce a new vehicle-to-grid charging scheme in London. Five bi-directional vehicle-to-grid (V2G) chargers are being installed outside Islington Town Hall. They ’ re built by Honda and engineered by EVTECH, while running Moixa ’ s GridShare software.

Islington Council partners with Honda and Moixa for ...

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The Mammoth Book of Alternate Histories | Ian Watson, Ian ...

For HBO, they have collaborated on The Corner, The Wire, Generation Kill, and The Plot Against America. Burns is a Burns is a The Fox, Palmers Green (435 words) [view diff] case mismatch in snippet view article find links to article

“America’s electrical grid, an engineering triumph of the twentieth century, is turning out to be a poor fit for the present. It’s not just that the grid has grown old and is now in dire need of basic repair. Today, as we invest great hope in new energy sources-- solar, wind, and other alternatives-- the grid is what stands most firmly in the way of a brighter energy future. If we hope to realize this future, we need to reimagine the grid according to twenty-first-century values. It’s a project which forces visionaries to work with bureaucrats, legislators with storm-flattened communities, moneymen with hippies, and the left with the right. And though it might not yet be obvious, this revolution is already well under way. Cultural anthropologist Gretchen Bakke unveils the many facets of America’s energy infrastructure, its most dynamic moments and its most stable ones, and its essential role in personal and national life.”--Page 4 of cover.

Ten grids that changed the world: the emergence and evolution of the most prominent visual structure in Western culture. Emblematic of modernity, the grid is the underlying form of everything from skyscrapers and office cubicles to paintings by Mondrian and a piece of computer code. And yet, as Hannah Higgins makes clear in this engaging and evocative book, the grid has a history that long predates modernity; it is the most prominent visual structure in Western culture. In The Grid Book, Higgins examines the history of ten grids that changed the world: the brick, the tablet, the gridiron city plan, the map, musical notation, the ledger, the screen, moveable type, the manufactured box, and the net. Charting the evolution of each grid, from the Paleolithic brick of ancient Mesopotamia through the virtual connections of the Internet, Higgins demonstrates that once a grid is invented, it may bend, crumble, or shatter, but its organizing principle never disappears. The appearance of each grid was a watershed event. Brick, tablet, and city gridiron made possible sturdy housing, the standardization of language, and urban development. Maps, musical notation, financial ledgers, and moveable type promoted the organization of space, music, and time, international trade, and mass literacy. The screen of perspective painting heralded the science of the modern period, classical mechanics, and the screen arts, while the standardization of space made possible by the manufactured box suggested the purified box forms of industrial architecture and visual art. The net, the most ancient grid, made its first appearance in Stone Age Finland; today, the loose but clearly articulated networks of the World Wide Web suggest that we are in the middle of an emergent grid that is reshaping the world, as grids do, in its image.

Long dismissed as a relic of a bygone era, coal is back -- with a vengeance. Coal is one of the nation’s biggest and most influential industries -- Big Coal provides more than half the electricity consumed by Americans today -- and its dominance is growing, driven by rising oil prices and calls for energy independence. Is coal the solution to America’s energy problems? On close examination, the glowing promise of coal quickly turns to ash. Coal mining remains a deadly and environmentally destructive industry. Nearly forty percent of the carbon dioxide released into the atmosphere each year comes from coal-fired power plants. In the last two decades, air pollution from coal plants has killed more than half a million Americans. In this eye-opening call to action, Goodell explains the costs and consequences of America’s addiction to coal and discusses how we can kick the habit.

As the electric power industry faces the challenges of climate change, technological disruption, new market imperatives, and changing policies, a renowned energy expert offers a roadmap to the future of this essential sector. As the damaging and costly impacts of climate change increase, the rapid development of sustainable energy has taken on great urgency. The electricity industry has responded with necessary but wrenching shifts toward renewables, even as it faces unprecedented challenges and disruption brought on by new technologies, new competitors, and policy changes. The result is a collision course between a grid that must provide abundant, secure, flexible, and affordable power, and an industry facing enormous demands for power and rapid, systemic change. The fashionable solution is to think small: smart buildings, small-scale renewables, and locally distributed green energy. But Peter Fox-Penner makes clear that these will not be enough to meet our increasing needs for electricity. He points instead to the indispensability of large power systems, battery storage, and scalable carbon-free power technologies, along with the grids and markets that will integrate them. The electric power industry and its regulators will have to provide all of these, even as they grapple with changing business models for local electric utilities, political instability, and technological change. Power after Carbon makes sense of all the moving parts, providing actionable recommendations for anyone involved with or relying on the electric power system.

Human rights activist and historian Roxanne Dunbar-Ortiz has been described as “ a force of nature on the page and off. ” That force is fully present in Blood on the Border, the third in her acclaimed series of memoirs. Seamlessly blending the personal and the political, Blood on the Border is Dunbar-Ortiz ’ s firsthand account of the decade-long dirty war pursued by the Contras and the United States against the people of Nicaragua. With the 1981 bombing of a Nicaraguan plane in Mexico City—a plane Dunbar-Ortiz herself would have been on if not for a delay—the US-backed Contras (short for los contrarrevolucionarios) launched a major offensive against Nicaragua ’ s Sandinista regime, which the Reagan administration labeled as communist. While her rich political analysis of the US-Nicaraguan relationship bears the mark of a trained historian, Dunbar-Ortiz also writes from her perspective as an intrepid activist who spent months at a time throughout the 1980s in the war-torn country, especially in the remote northeastern region, where the indigenous Miskitu people were relentlessly assailed and nearly wiped out by CIA-trained Contra mercenaries. She makes painfully clear the connections between what many US Americans today remember only vaguely as the Iran-Contra “ affair ” and ongoing US aggression in the Americas, the Middle East, and around the world—connections made even more explicit in a new afterword written for this edition. A compelling, important, and sobering story on its own, Blood on the Border offers a deeply informed, closely observed, and heartfelt view of history in the making.

Tesla ’ s inventions transformed our world, and his visions have continued to inspire great minds for generations. Nikola Tesla invented the radio, robots, and remote control. His electric induction motors run our appliances and factories, yet he has been largely overlooked by history. In Tesla, Richard Munson presents a comprehensive portrait of this farsighted and underappreciated mastermind. When his first breakthrough—alternating current, the basis of the electric grid—pitted him against Thomas Edison ’ s direct-current empire, Tesla ’ s superior technology prevailed. Unfortunately, he had little business sense and could not capitalize on this success. His most advanced ideas went unrecognized for decades; forty years in the case of the radio patent, longer still for his ideas on laser beam technology. Although penniless during his later years, he never stopped imagining. In the early 1900s, he designed plans for cell phones, the Internet, death-ray weapons, and interstellar communications. His ideas have lived on to shape the modern economy. Who was this genius? Drawing on letters, technical notebooks, and other primary sources, Munson pieces together the magnificently bizarre personal life and mental habits of the enigmatic inventor. Born during a lightning storm at midnight, Tesla died alone in a New York City hotel. He was an acute germaphobe who never shook hands and required nine napkins when he sat down to dinner. Strikingly handsome and impeccably dressed, he spoke eight languages and could recite entire books from memory. Yet Tesla ’ s most famous inventions were not the product of fastidiousness or linear thought but of a mind fueled by both the humanities and sciences: he conceived the induction motor while walking through a park and reciting Goethe ’ s Faust. Tesla worked tirelessly to offer electric power to the world, to introduce automotons that would reduce life ’ s drudgery, and to develop machines that might one day abolish war. His story is a reminder that technology can transcend the marketplace and that profit is not the only motivation for invention. This clear, authoritative, and highly readable biography takes account of all phases of Testa ’ s remarkable life.

_____ This ground-breaking book from award-winning author MATT WATKINSON reveals the fundamental, inseparable elements behind the success of every business. The Grid provides the mental scaffolding to help you: · Evaluate and refine product and service ideas · Reduce risk by considering the broader impact of strategic decisions · Identify the root causes of business challenges · Anticipate the impact of changes in the market and turn them to your advantage · Collaborate more effectively across teams Combining practical guidance with real-world examples, The Grid will bring clarity and confidence to your business decision-making. _____ The Grid provides you with a simple way to look at the complex system which is your business. With the possible exception of Warren Buffett, everyone needs to read this book.” RORY SUTHERLAND, VICE CHAIRMAN, OGILVY GROUP “The Grid provides a systematic framework for looking at virtually all the critical aspects of your business, and maybe more valuable, at how each affects the others. It’ll be a rare reader who doesn’t come away with fresh, useful insights into his or her enterprise.” WALTER KEIGHEL, III, author of The Lords of Strategy “Matt Watkinson distills strategic know-how into nine ingenious perspectives and, with the use of clever examples, shows us how to apply this technique of thinking to any business problem or market opportunity. An extraordinarily powerful book.” DR JULES GODDARD, author of Uncommon Sense, Common Nonsense “The Grid presents a unique, joined up approach to decision-making, revealing both the holistic nature of business and all the key elements a business must consider. I can safely say that if you only read one business book in your life it should be The Grid.” PHILIP ROWLEY, Chief Finance Officer, Sony Pictures Entertainment

The energy industry is changing, and it ’ s far more than just solar panels. Electric vehicles look to overtake gasoline-powered cars within our lifetimes, wind farms are popping up in unlikely places, traders are transforming energy into a commodity, and supercomputers are crunching vast amounts of data in nanoseconds while helping to keep our energy grids secure from hackers. The way humans produce, distribute and consume power will be cleaner, cheaper, and infinitely more complex within the next decade. In The Energy Switch, leading energy industry expert Peter Kelly-Detwiler looks at all aspects of the transformation: how we got here, where we are going, and the implications for all of us in our daily lives. Kelly-Detwiler takes readers to the frontlines of the energy revolution. Meet Steve Collins, an executive from Commercial Development Corporation, the company that blew up two \$570-million-dollar concrete cooling towers to create a staging ground for the new \$70 billion U.S. offshore wind industry; Rob Threlkeld, a General Motors executive who convinced the auto giant to sign multiple 20-year renewable energy contracts worth hundreds of millions; Kevin McAlpin, a Texas homeowner who buys the power for his home on the electricity spot market – where prices can soar from less than one cent a kilowatthour to \$9.00 over the course of a single day; Dr. Kristin Persson, who oversees a supercomputer that can process data at 30 quadrillion calculations per second, in the quest for better renewable energy and battery technologies; and John Davis, a Texas rancher who can keep his land intact, with help from the royalty payments from seven turbines spinning on his range. Energy creation and distribution has driven society ’ s progress for centuries. Today, people are increasingly aware that it is imperative that humans move towards a cleaner, digitized, and democratized energy economy. The Energy Switch is about that multi-trillion dollar transformation, told from the perspective of those leading us to that bright future.

“Shorting the Grid” describes how closed meetings, arcane auction rules, and five-minute planning horizons will topple the reliability of our electric grid. Hopeful speeches will not keep the lights on.

“The Likeness is a close ethnographic study of subjectivity in the former Yugoslav republic of Slovenia. In this highly imaginative work, the author argues that Slovenes provide a remarkable counterbalance to Western notions of a divided inner and outer self by playing with surface level resemblances, or likenesses. Such practices render the complexity of self-expression as external and legible, but as of the last several decades, very rarely unique or original. Bakke takes a deep dive into a range of topics-from art worlds to punk to mental illness-to ask questions about the shift in Slovene identity. By engaging with some of anthropology’s most pressing theoretical debates as well as some of Slovenia’s most important thinkers, this book explores how one can understand the meaning of self and individuality in a society that values convention”--

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