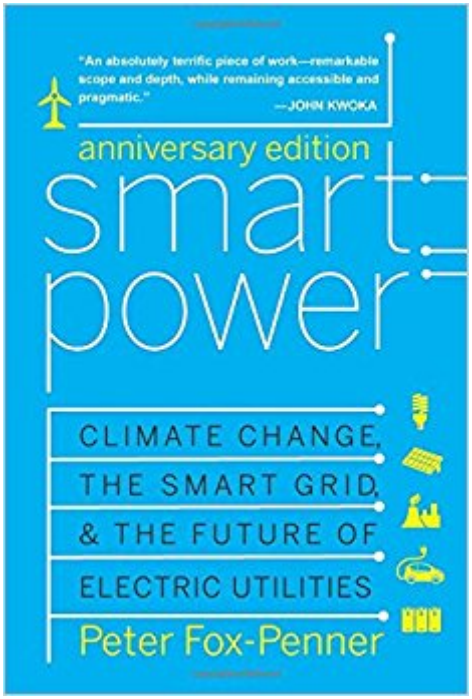
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Smart Power Anniversary Edition: Climate Change, The Smart Grid, And The Future Of Electric Utilities



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Synopsis

Few industries in the U.S. are as stuck in the past as our utilities are. In the face of growing challenges from climate change and the need for energy security, a system and a business model that each took more than a century to evolve must now be extensively retooled in the span of a few decades. Despite the need, many of the technologies and institutions needed are still being designed or tested. It is like rebuilding our entire airplane fleet, along with our runways and air traffic control system, while the planes are all up in the air filled with passengers. In this accessible and insightful book, Peter Fox-Penner considers how utilities interact with customers and how the Smart Grid could revolutionize their relationship. Turning to the supply side, he considers the costs of, and tradeoffs between, large-scale power sources such as coal plants and small-scale power sources close to customers. Finally, he looks at how utilities can respond to all of these challenges and remain viable, while financing hundreds of billions of dollars of investment without much of an increase in sales. Upon publication, Smart Power was praised as an instant classic on the future of energy utilities. This Anniversary Edition includes up-to-date assessments of the industry by such leading energy experts as Daniel Estes and Jim Rogers, as well as a new afterword from the author. Anyone who is interested in our energy future will appreciate the clear explanations and the in-depth analysis it offers.

Book Information

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Customer Reviews

"Few economist/engineers understand the electricity system as well as Peter Fox-Penner, and far

fewer can explain it as lucidly. Whether or not you agree with every detail, his vision of the opportunities, risks, uncertainties, and tipping-points of this vast and crucial industry is powerful and provocative." (Amory B. Lovins, Chairman and Chief Scientist, Rocky Mountain Institute)"Ã¢â ¬Â¦a thoughtful vision of the opportunities for the electric power industry to make use of new organizational and regulatory frameworks and new technologies so that it can successfully adapt to climate change, energy security and economic efficiency challenges ...." (Paul Joskow, President of the Alfred P. Sloan Foundation)"If you're serious about policies that place energy efficiency on a level playing field with new energy supplies, and energy policy generally, this book is essential reading." (Art Rosenfeld, former Commissioner of the California Energy Commission)"Smart Power is the most advanced look at how climate policies will change our energy utilities, from power sources to operations to business models." (Joe Romm, Editor of Climate Progress, Senior Fellow at the Center for American Progress)"An excellent treatment of the critical issues facing the electricity industry." (Thomas R. Kuhn, President of The Edison Electric Institute)"Smart Power paints a sharp picture of the historic challenges facing the utility industry, its regulators and the nation at large. Peter Fox-Penner's urgent call for a bottoms-up solution relying on local, state and regional cooperation and creativity presages the work now ongoing across the country. Smart Power is an essential read for policy makers looking for workable solutions for the next decade and beyond." (Charles Gray, Executive Director of the National Association of Regulatory Commissioners)"An absolutely terrific piece of workÃ¢â ¬â •remarkable scope and depth, while remaining accessible and pragmatic." (John Kwoka, Finnegan Professor of Economics, Northeastern University)"The thoroughness and authority of the book stand out, and as both a popular policy and business strategy book, Smart Power is a compelling read for a wide range of audiences." (IPL blog)Ã¢â ¬Å“Probably the best holistic treatment of the critical issues facing the electricity industry that I have ever read.Ã¢â ¬Â• (John Caldwell, Director of Economics at the Edison Electric Institute)"[Smart Power] proves that understanding how the electricity utility market works Ã¢â ¬â œ and how radically it must change Ã¢â ¬â œ is fundamental to the clean energy debate." (Real Power)"A valuable and insightful analysis of where the U.S. electric power industry is headed and what it must do to successfully transition to a low carbon environment. This book should be required reading for all industry regulators as they prepare to confront the challenges of this new paradigm." (Mark Crisson, Chief Executive Officer of the American Public Power Association)

This pivotal work offers a clear and accessible vision of how we can transform the electric power

industry to adapt to twenty-first century challenges.

Great intro to smart grid topics. Already getting a little dated, but still a great read.

Awesome book. Mr. Fox-Penner proves that he has a great understanding of the current industry and technology. He understands how things operate today and explores ways that might change in the future.

Excellent boom and ver y well documented

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