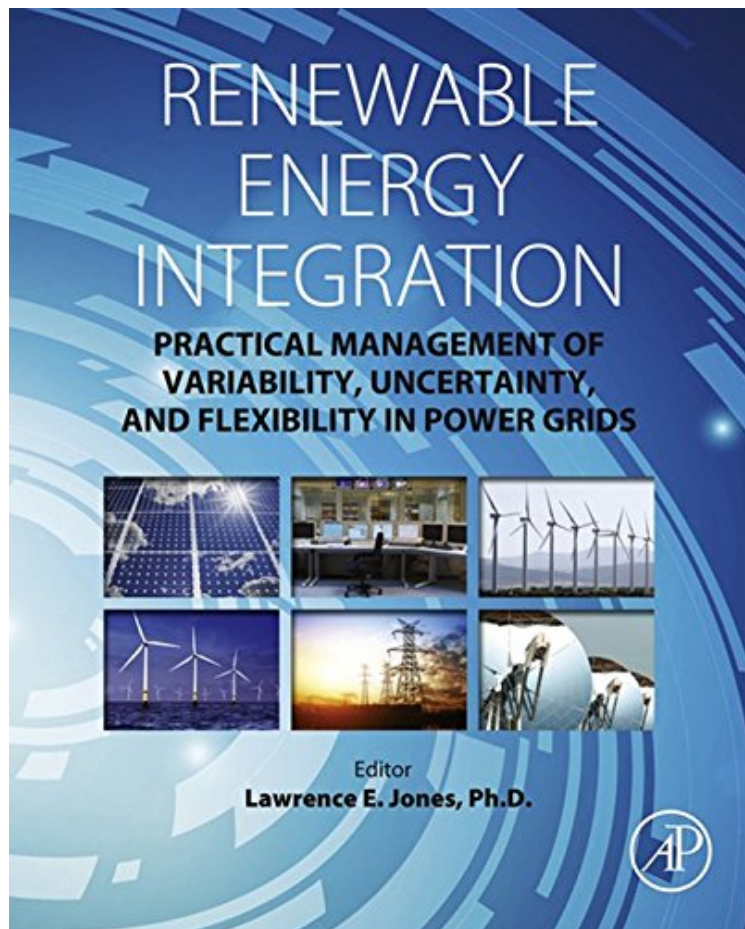


[Library ebook] Renewable Energy Integration: Practical Management of Variability, Uncertainty, and Flexibility in Power Grids

# Renewable Energy Integration: Practical Management of Variability, Uncertainty, and Flexibility in Power Grids

Lawrence E. Jones

DOC | \*audiobook | ebooks | Download PDF | ePub



DOWNLOAD



READ ONLINE

#1800988 in eBooks 2014-06-12 2014-06-12 File Name: B00L9YRNII | File size: 51.Mb

**Lawrence E. Jones : Renewable Energy Integration: Practical Management of Variability, Uncertainty, and Flexibility in Power Grids** before purchasing it in order to gage whether or not it would be worth my time, and all praised Renewable Energy Integration: Practical Management of Variability, Uncertainty, and Flexibility in Power Grids:

0 of 0 people found the following review helpful. IMPOSSIBLE TO READ DATA SERIES IN BW GRAPHS!!!By MagdalenaThe book provides a complete and extensive analysis of renewable integration issues, coupled with a plethora of insightful case studies and graphs. It is a really good book in terms of content. Unfortunately, not so much in terms of format. It has a major issue which is the fact that the graphs are all in black and white! This makes it almost impossible for the reader to distinguish between data series on them. It is really annoying to be trying to guess which line corresponds to which data series, especially given that this is an expensive hardcover book version! Really disappointing...0 of 0 people found the following review helpful. Excellent reference manualBy Kevin M Powera lot

of policy and regulatory content....not a readable book, more of a reference and guide

Renewable Energy Integration is a ground-breaking new resource - the first to offer a distilled examination of the intricacies of integrating renewables into the power grid and electricity markets. It offers informed perspectives from internationally renowned experts on the challenges to be met and solutions based on demonstrated best practices developed by operators around the world. The book's focus on practical implementation of strategies provides real-world context for theoretical underpinnings and the development of supporting policy frameworks. The book considers a myriad of wind, solar, wave and tidal integration issues, thus ensuring that grid operators with low or high penetration of renewable generation can leverage the victories achieved by their peers. Renewable Energy Integration highlights, carefully explains, and illustrates the benefits of advanced technologies and systems for coping with variability, uncertainty, and flexibility. Lays out the key issues around the integration of renewables into power grids and markets, from the intricacies of operational and planning considerations, to supporting regulatory and policy frameworks. Provides global case studies that highlight the challenges of renewables integration and present field-tested solutions. Illustrates enabling and disruptive technologies to support the management of variability, uncertainty and flexibility.

"...it lays out the key issues around the integration of renewables into power grids and markets... Detailed national case studies make up the largest proportion of the content and are the most valuable part, showing how the challenges of renewables integration can be met and discussing the field-tested solutions involved." --Real Power, June 2014  
About the Author: Dr. Lawrence E. Jones, a recognized thought leader and practitioner has over twenty-five years of experience in the energy industry. His expertise includes renewable energy integration, and the application of smarter technologies in the engineering, design and operations of energy systems and other critical infrastructures. He also focuses on system resilience, disruptive and innovative business and regulatory models, and strategies for addressing challenges to harnessing the opportunities at the food-energy-water nexus. Dr. Jones received the Renewable Energy World's 2012 Award for Leadership in Technology, and the Utility Variable-Generation Integration Group 2012 Achievement Award. He is Vice President at the Edison Electric Institute, and Honorary Industry Fellow at Monash University in Melbourne, Australia.