

# *ENERGY'S DIGITAL FUTURE*

CENTER ON GLOBAL ENERGY POLICY SERIES

## CENTER ON GLOBAL ENERGY POLICY SERIES

---

*Jason Bordoff, series editor*

Making smart energy policy choices requires approaching energy as a complex and multifaceted system in which decision makers must balance economic, security, and environmental priorities. Too often, the public debate is dominated by platitudes and polarization. Columbia University's Center on Global Energy Policy at SIPA seeks to enrich the quality of energy dialogue and policy by providing an independent and nonpartisan platform for timely analysis and recommendations to address today's most pressing energy challenges. The Center on Global Energy Policy Series extends that mission by offering readers accessible, policy-relevant books that have as their foundation the academic rigor of one of the world's great research universities.

Robert McNally, *Crude Volatility: The History and the Future of Boom-Bust Oil Prices*

Daniel Raimi, *The Fracking Debate: The Risks, Benefits, and Uncertainties of the Shale Revolution*

Richard Nephew, *The Art of Sanctions: A View from the Field*

Jim Krane, *Energy Kingdoms: Oil and Political Survival in the Persian Gulf*

# ENERGY'S DIGITAL FUTURE

*Harnessing Innovation for American  
Resilience and National Security*

---

AMY MYERS JAFFE

---

*Columbia University Press*  
*New York*



Columbia University Press  
*Publishers Since 1893*  
New York Chichester, West Sussex  
cup.columbia.edu  
Copyright © 2021 Amy Myers Jaffe  
All rights reserved

Library of Congress Cataloging-in-Publication Data

Names: Jaffe, Amy Myers, author.

Title: Energy's digital future : harnessing innovation for American resilience and national security / Amy Myers Jaffe.

Description: New York : Columbia University Press, [2021] | Series: Center on Global Energy Policy series | Includes bibliographical references and index.

Identifiers: LCCN 2020041676 (print) | LCCN 2020041677 (ebook) |

ISBN 9780231196826 (hardback) | ISBN 9780231551847 (ebook)

Subjects: LCSH: Energy policy—United States. | Energy industries—Technological innovations—United States. | Automation. | Big data. | Energy security—United States. | National security—United States.

Classification: LCC HD9502.U52 J337 2021 (print) | LCC HD9502.U52 (ebook) |  
DDC 333.790285—dc23

LC record available at <https://lcn.loc.gov/2020041676>

LC ebook record available at <https://lcn.loc.gov/2020041677>



Columbia University Press books are printed on permanent and durable acid-free paper.

Printed in the United States of America

Cover design: Noah Arlow