

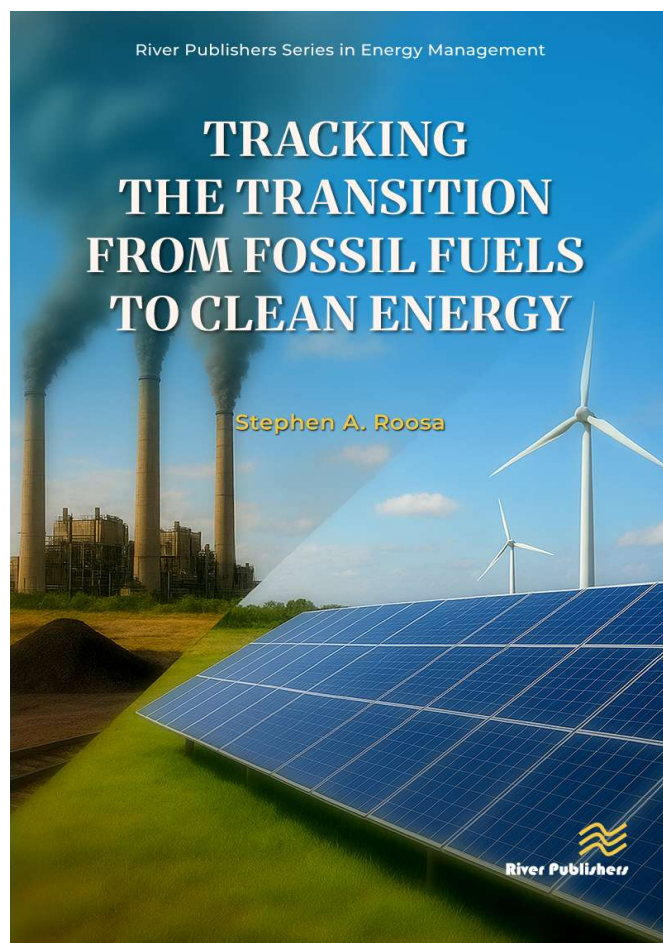
Tracking the Transition from Fossil Fuels to Clean Energy

Author: Stephen A. Roosa, USA

This book gives a forward-looking overview of the global shift toward renewables and clean energy. It examines the policies, technologies, and innovations driving the energy transition, addressing its risks, costs, and long-term impact. A practical guide for engineers, policymakers, and sustainability professionals navigating a decarbonized future.

TABLE OF CONTENTS

- Tough Decisions on the Path to Decarbonization
- Decarbonization for a Sustainable Energy Future
- Software Analysis of Solar PV System Efficacy
-
- Clean Energy Technologies
-
- Energy Storage Capacities are Increasing
- Matching Electricity Supply with Demand: Integrating Renewable Energy Systems into the US Power Grid
- Electricity Generation Capacity Planning with Nuclear, Renewables, and Batteries: Defining Pathways to Energy Security and Decarbonization
- Distributed Energy Resources and Demand Response: The Tension Between Reliability and Flexibility
- Initial Capital Cost Estimate for Clean Hydrogen Electricity Produced by a 500 MWh Baseload Plant
- Reinventing the Electric Grid
- Electrical Transmission System Modeling within Utility Integrated Resource Planning to Accommodate Increasing Renewable Penetration
- Using Dynamic Line Ratings to Improve Electric Generation and Load Interconnection
- Cutting Electricity Costs: A Guide for Organizations in Deregulated Markets
-
- Locational Pricing in the GB Electricity Market: An Overview of Key Perspectives and Implications
-
- Sustainable Adaptive Reuse of Renewable Energy Components and Materials
-
- Sharing Best Renewable Energy Practices in the Developing World



River Publishers Series in Energy Management

ISBN: 9788743811299

e-ISBN: 9788743811305

Available From: September 2026

Price:

KEYWORDS:

Energy engineering, energy transition, energy management, decarbonization, renewable energy, clean energy, electric grid.



www.riverpublishers.com
marketing@riverpublishers.com