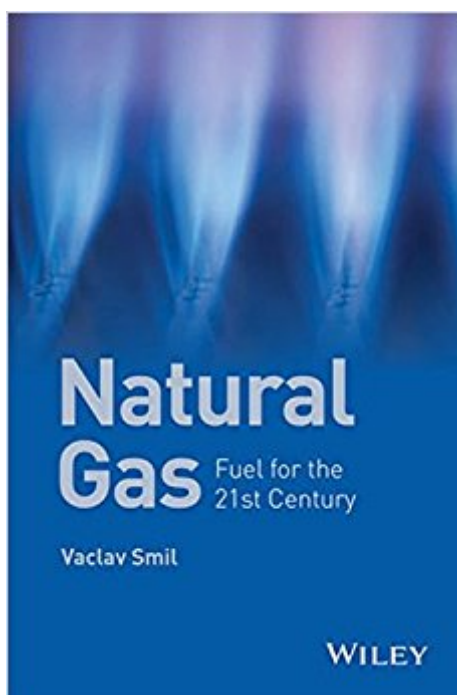


The book was found

Natural Gas: Fuel For The 21st Century



Synopsis

Natural gas is the world's cleanest fossil fuel; it generates less air pollution and releases less CO₂ per unit of useful energy than liquid fuels or coals. With its vast supplies of conventional resources and nonconventional stores, the extension of long-distance gas pipelines and the recent expansion of liquefied natural gas trade, a truly global market has been created for this clean fuel. *Natural Gas: Fuel for the 21st Century* discusses the place and prospects of natural gas in modern high-energy societies. Vaclav Smil presents a systematic survey of the qualities, origins, extraction, processing and transportation of natural gas, followed by a detailed appraisal of its many preferred, traditional and potential uses, and the recent emergence of the fuel as a globally traded commodity. The unfolding diversification of sources, particularly hydraulic fracturing, and the role of natural gas in national and global energy transitions are described. The book concludes with a discussion on the advantages, risks, benefits and costs of natural gas as a leading, if not dominant, fuel of the 21st century. This interdisciplinary text will be of interest to a wide readership concerned with global energy affairs including professionals and academics in energy and environmental science, policy makers, consultants and advisors with an interest in the rapidly-changing global energy industry.

Book Information

Paperback: 264 pages

Publisher: Wiley; 1 edition (September 21, 2015)

Language: English

ISBN-10: 1119012864

ISBN-13: 978-1119012863

Product Dimensions: 6.1 x 0.5 x 9.1 inches

Shipping Weight: 12.6 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 3 customer reviews

Best Sellers Rank: #1,406,245 in Books (See Top 100 in Books) #42 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Fossil Fuels > Natural Gas #3361 in Books > Business & Money > Economics > Environmental Economics #7579 in Books > Science & Math > Nature & Ecology > Conservation

Customer Reviews

Vaclav Smil receives 2015 OPEC Award for Research "In *Natural Gas*, Smil provides much valuable background on the relative amounts of carbon emissions produced by all of our major energy sources. He explains why natural gas is the best of the fossil fuels in terms of energy output

relative to carbon emissions (while noting that leaks of natural gas and methane could in fact outweigh the savings in carbon emissions)." (Resilience, April 2016)

Natural gas is the world's cleanest fossil fuel; it generates less air pollution and releases less CO₂ per unit of useful energy than liquid fuels or coals. With its vast supplies of conventional resources and nonconventional stores, the extension of long-distance gas pipelines and the recent expansion of liquefied natural gas trade, a truly global market has been created for this clean fuel. *Natural Gas: Fuel for the 21st Century* discusses the place and prospects of natural gas in modern high-energy societies. Vaclav Smil presents a systematic survey of the qualities, origins, extraction, processing and transportation of natural gas, followed by a detailed appraisal of its many preferred, traditional and potential uses, and the recent emergence of the fuel as a globally traded commodity. The unfolding diversification of sources, particularly hydraulic fracturing, and the role of natural gas in national and global energy transitions are described. The book concludes with a discussion on the advantages, risks, benefits and costs of natural gas as a leading, if not dominant, fuel of the 21st century. This interdisciplinary text will be of interest to a wide readership concerned with global energy affairs including professionals and academics in energy and environmental science, policy makers, consultants and advisors with an interest in the rapidly-changing global energy industry.

True to form, Vaclav Smil, one of Bill Gates' favorite authors, presents a timely compendium on natural gas that is complete in all regards. From its history, to its location, production, and transport, this book also offers careful analysis of environmental advantages and impacts. Nobody who claims to be an earth scientist or environmentalist should pass up the opportunity to read this outstanding piece of work. As an aside, I think it would be less distracting if one system for units of measure were utilized throughout the book instead of showing equivalent units in parentheses at every turn. Smil uses real numbers and calculations constantly, and conversion nomographs for other units of measure could easily be appended to the front or back of the book. His readers are fully capable of understanding unit conversions on their own. In keeping with the theory that it is best not to learn your science from politicians or mainstream media, you must read this book to get the apolitical perspective on this "fuel for the 21st century."

I am an energy professional. I analyze natural gas and electricity markets for a living. This is one of the best books I've read about the energy industry in the last five years. Vaclav Smil is an impressive researcher, thinker, and writer.

A pleasure to read-- very well written. Of course this is dry and technical material but I feel it flowed well and had a correct amount of scientific basis. I wanted to learn more about the industry from an investors standpoint; I got what I wanted here.

[Download to continue reading...](#)

International Fuel Gas Code 2006 (International Fuel Gas Code) Natural Gas: Fuel for the 21st Century Energy for the 21st Century: Opportunities and Challenges for Liquefied Natural Gas (LNG) (New Horizons in Environmental and Energy Law series) US Army, Technical Manual, TM 9-4520-257-12&P, HEATER, SPACE, RADIANT, LARGE, (H-45), (TYPE I, SOLID FUEL), (NSN 4520-01-354-119, (TYPE II, LIQUID FUEL), (4520-01-329-3451) Belwin's 21st Century Guitar Method, Bk 1: The Most Complete Guitar Course Available, Book & Online Audio (Belwin's 21st Century Guitar Course) Belwin's 21st Century Guitar Ensemble 1: The Most Complete Guitar Course Available (Student Book) (Belwin's 21st Century Guitar Course) Belwin's 21st Century Guitar Method 1: Spanish Language Edition (Book & CD) (Belwin's 21st Century Guitar Course) (Spanish Edition) Belwin 21st Century Band Method, Level 2 flute (Belwin 21st Century Band Method) The Confessions: (Vol. I/1) Revised, (The Works of Saint Augustine: A Translation for the 21st Century) (The Works of Saint Augustine: A Translation for the 21st Century, Vol. 1) Introduction to Cybercrime: Computer Crimes, Laws, and Policing in the 21st Century: Computer Crimes, Laws, and Policing in the 21st Century (Praeger Security International) Roget's 21st Century Thesaurus, Third Edition (21st Century Reference) Creating America: 1877 to the 21st Century: Student Edition
© 2005 1877 to the 21st Century 2005 EMS Workforce for the 21st Century: A National Assessment (Public Health in the 21st Century) 2012 International Fuel Gas Code (International Code Council Series) 2015 International Fuel Gas Code 2015 International Fuel Gas Code Commentary RV Fuel Saving Tips: How to Save Up to 74% on Gas When You Travel! Molecular Gas Dynamics and the Direct Simulation of Gas Flows (Oxford Engineering Science Series) Gas Chromatography and 2D-Gas Chromatography for Petroleum Industry: The Race for Selectivity Innovations in Sustainability: Fuel and Food (Organizations and the Natural Environment)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)