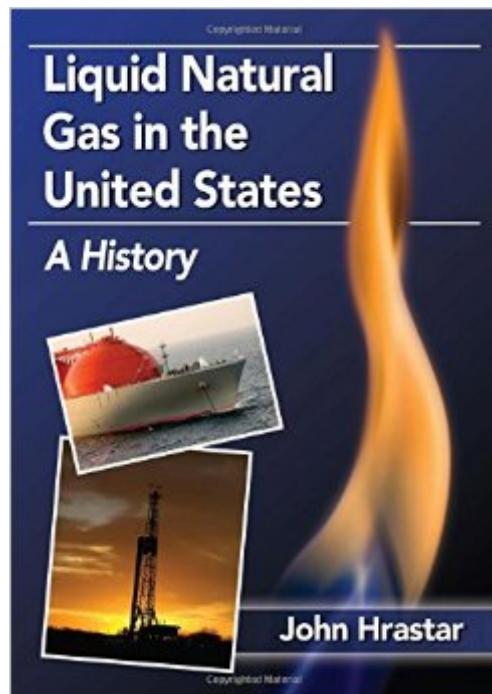


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Liquid Natural Gas In The United States: A History



Synopsis

When natural gas was first discovered in Appalachia in the 19th century, its development as a fuel was rapid. Unlike oil and coal, gas could be moved only by pipeline and required large containers for storage. It was not possible to cope with peak loads without adding excessive pipeline capacity until just before World War II, when two sister gas companies developed a plant to liquefy and store natural gas as a liquid; the liquid was then regasified to deal with peak loads. The liquid is 1/600 the volume of the gas, but it requires storage at an extremely low temperature, 1-260° F. This worked well until 1944, when a liquid natural gas (LNG) tank in Cleveland ruptured and caused a fire with 130 fatalities. The fire did not end the industry but caused it to pause. Over the next few years the problems in materials, design, standards, and siting were solved. The recognition that liquefaction made LNG transportable without a pipeline was the breakthrough. In 1959 a shipload of LNG went from Louisiana to Britain and restarted the LNG industry. It is now a major worldwide energy industry and the topic of this work.

Book Information

Paperback: 288 pages

Publisher: McFarland (June 26, 2014)

Language: English

ISBN-10: 0786478594

ISBN-13: 978-0786478590

Product Dimensions: 0.5 x 7 x 10.2 inches

Shipping Weight: 1.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars (See all reviews) (1 customer review)

Best Sellers Rank: #2,587,131 in Books (See Top 100 in Books) #78 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Fossil Fuels > Natural Gas #2397 in Books > Politics & Social Sciences > Politics & Government > Public Affairs & Policy > Environmental Policy #7126 in Books > Textbooks > Social Sciences > Political Science > Public Policy

Customer Reviews

Liquid Natural Gas in the United States "A History" American history is my passion, so anything that has the word "history" in the title, I am on it. I thought the book presented a fascinating story of liquid natural gas from discovery and experimentation to ultimate delivery to consumers. The history was interestingly presented and I surprised myself by becoming involved in the technical aspects

besides the historical perspective. And this is coming from a non-technical person. The scientific and engineering details were explained really well for a non-technical person like me to understand. I recommend it for anyone interested in general American history, science, and engineering. This also makes a great textbook. I judge if a book is good or not by how much I can learn and how easily it flows. It gets an "A" for both. By way of complete disclosure: thanks for the great read, John! Buy my brotherâ™s book!Tim W. HrastarJuly 26, 2014

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