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Lights On!: The Science of Power Generation (Paperback)

By Mark Denny

JOHNS HOPKINS UNIVERSITY PRESS, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book. Power generation is a relatively recent concern because humans had little need for sustained power until the dawn of the Industrial Revolution. Today, modern civilization is wholly dependent on the production and distribution of power. Without it, our way of life would be extinguished. In Lights On!, Mark Denny reveals the mysterious world of power generation. He takes us on a fun tour, examining the nature of energy, tracing the history of power generation, explaining the processes from production through transmission to use, and addressing questions that are currently in the headlines, such as: * Is natural gas the best alternative energy source in the near term? * Could solar power be the answer to all our problems? * Why is nuclear power such a hard sell, and are the concerns valid? Devoting individual chapters to each of the forms of power in use today—electrical, coal, oil and natural gas, hydro, nuclear, and solar—Denny explains the pros and cons of each, their availability worldwide, and which are in dwindling supply. Making clear that his approach is that of a scientist and engineer, not a politician or businessman,...



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