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Edizione	[1st edition]
Descrizione fisica	1 online resource (vi, 99 pages) : illustrations (chiefly color)
Collana	The Power Generation Series
Disciplina	333.7924
Soggetti	Nuclear energy Nuclear industry
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	chapter 1. An introduction to nuclear power -- chapter 2. Nuclear fuel and the nuclear resource -- chapter 3. The basics of nuclear power -- chapter 4. Water-cooled reactors -- chapter 5. Gas-cooled reactors -- chapter 6. Breeder reactors -- chapter 7. Advanced reactor design and small modular reactors -- chapter 8. Nuclear fission -- chapter 9. The environment effects of nuclear power -- chapter 10. The cost of electricity from nuclear power stations.
Sommario/riassunto	Nuclear Power provides a concise, up-to-date, accessible guide to the most controversial form of power generation. The author includes a comprehensive description of the various methods for generating nuclear power and evaluates the political, strategic, environmental, economic, and emotional factors involved in each method. The analysis of real-life, tragic examples, such as the accidents in Chernobyl and Fukushima help the reader understand the associated risks and dangers of this method of power generation and the radioactive waste it creates. This is a valuable and insightful read for those involved in nuclear power, including power plant designers and engineers, as well as those involved in the protection of society and the environment. Discusses various nuclear reactor designs and methods for generating this type of power Evaluates the political, strategic, environmental, economic, and emotional factors involved in each technology Explores the environmental and economic effects of nuclear power generation

through various real-life tragedies, such as the accidents in Chernobyl and Fukushima
