Record Nr. UNINA9910583015003321 Autore Breeze Paul **Titolo** Electricity generation and the environment / / Paul Breeze Pubbl/distr/stampa London:,: Academic Press,, [2017] 2017 **ISBN** 0-12-809514-8 0-08-101044-3 Descrizione fisica 1 online resource (vi, 102 pages): illustrations (chiefly color) Collana **Power Generation Series** Disciplina 333.7932 Soggetti Electric power production - Environmental aspects Energy policy Power resources - Environmental aspects Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto ch 1. Introduction to electricity and the environment -- ch 2. The carbon cycle and atmospheric warning -- ch 3. Greenhouse gas emissions and power generation -- ch 4. Combustion plant emissions: sulfur dioxide, nitrogen oxides, and acid rain -- ch 5. The nuclear question -- ch 6. Renewable energy and the environment -- ch 7. The hydrogen economy -- ch 8. Low-level envrionmental intrusion -- ch 9. Life-cycle assessment -- ch 10. Externalities: putting a price on environmental damage -- ch 11. The bottom line. Sommario/riassunto "A very concise, up-to-date, and accessible guide to the evolution of environmental awareness, what that environmental awareness has taught the industry, and how technologies can be used to test and improve power performance. There is a strong emphasis on the related social impacts and economic factors involved in the various methods of generating electricity which Breeze explores, making this a valuable and insightful read for those involved in the planning and delivery of energy, such as energy engineers, power generation planners, policy

makers, managers, and academics"--Publisher's website.