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RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 30 pages. LC Number: KF31 . E55 2007v OCLC Number: (OCoLC)143608486 Subject: Biomass energy -- Law and legislation -- United States. Excerpt: . . . lly large amounts of carbon dioxide emitted from the use of fossil fuels. Electric generating plants may be the most likely initial candidates for implementing carbon sequestration, given that they are predominantly large, single-point sources, and contribute an estimated one-third of U. S. carbon dioxide emissions from fossil fuels. A viable, integrated CCS system would include three main components: (1) Capture and separation of carbon dioxide at the source of generation; (2) the transportation of captured carbon dioxide to a storage site; and (3) storage in a geological reservoir. There are many ways that carbon storage can occur, such as through direct geologic injection, forest and plant uptake (indirect), soil biomass accumulation (indirect), direct ocean injection, and many others. The Energy Policy Act of 2005 directed the Secretary of Energy to carry out research and development on technologies designed to capture carbon dioxide, specifically with respect to combustion-based energy systems. However, given the critical nature of these efforts, the need to demonstrate emerging...



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