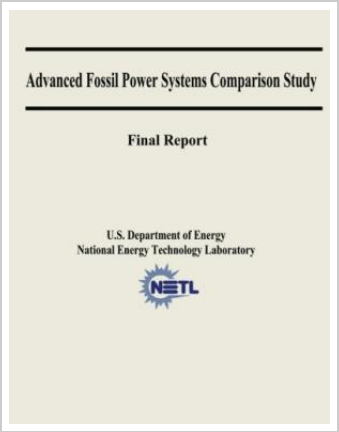

Advanced Fossil Power Systems Comparison Study Final Report

By National Energy Technology Laboratory

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 320 pages. Dimensions: 11.0in. x 8.5in. x 0.7in.Aspen Plus (version 10. 2) simulation models and the Cost of Electricity (COE) have been developed for advanced fossil power generation systems both with and without carbon dioxide (CO2) capture. The intent was to compare the cycles based on using common assumptions and analytic standards with respect to realizable performance, cost, emissions and footprint. Additionally, commercially available (or near term) reference plants were included for comparison. The advanced fossil power systems considered were: (both natural gas and coal fueled) Hydraulic Air Compression Cycle (HAC); Rocket Engine Gas Generator Cycle; Hydrogen Turbine (air) Cycle; Hybrid Cycle (Turbine Solid-Oxide Fuel Cell); Humid Air Turbine Cycle (HAT) (CO2) capture not considered. Reference Plants developed based on previous NETLEG and G studies included: Pulverized Coal (PC) Boiler; Natural Gas Combined Cycle (NGCC); Integrated Gasification Combined Cycle (IGCC). Capital cost estimates were developed for the above cases using data from the EG and G Cost Estimating Notebook (version 1. 11) and several contractor reports. The format follows the guidelines set by EPRI TAG methods. Individual equipment sections were based on capacity factored techniques....

Reviews

Simply no phrases to clarify. It is really basic but surprises from the 50 percent of the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- ***Mr. Noah Cummerata IV***

These types of publication is the greatest publication available. It really is filled with knowledge and wisdom Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- ***Prof. Lenna Beatty III***