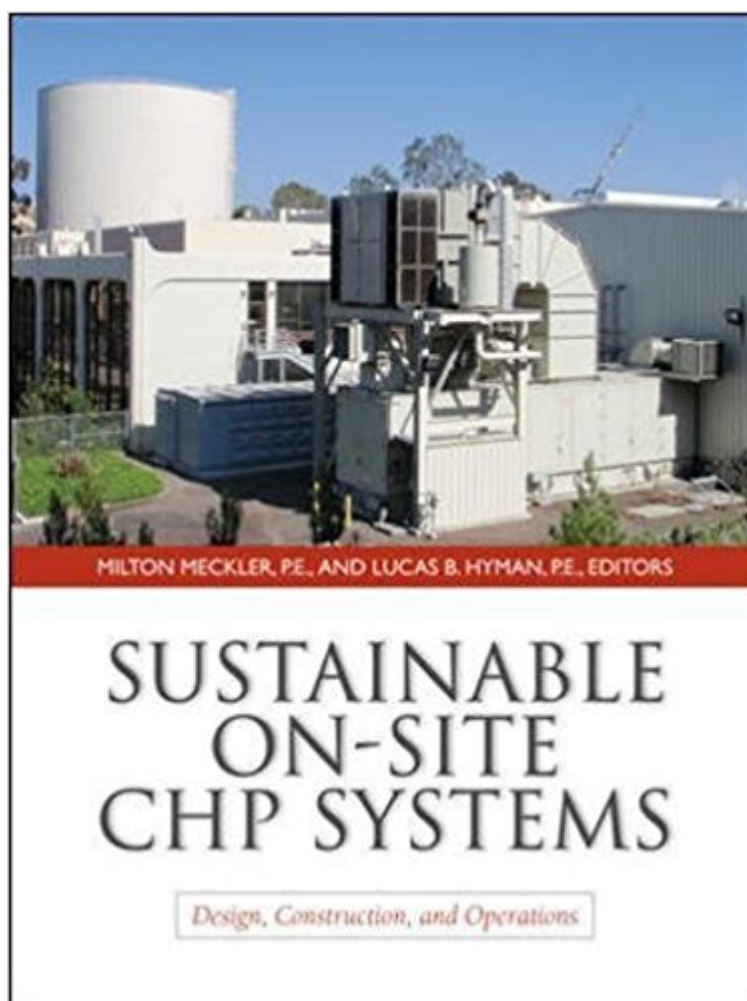


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Sustainable On-Site CHP Systems: Design, Construction, And Operations



Synopsis

PROVEN TECHNIQUES FOR REDUCING ENERGY USE WITH CHP SYSTEMS Plan, design, construct, and operate a sustainable on-site CHP (combined heat and power) facility using the detailed information in this practical guide. Sustainable On-Site CHP Systems reveals how to substantially increase the energy efficiency in commercial, industrial, institutional, and residential buildings using waste heat and thermal energy from power generation equipment for cooling, heating, and humidity control. In-depth case studies illustrate real-world applications of CHP systems. Coverage includes: CHP basics, power equipment, and thermal design Packaged CHP systems Regulatory issues Carbon footprint, environmental benefits, and emission controls Conducting a feasibility study and economic analysis CHP plant design and engineering Construction, permits, and risk management Operation and maintenance Performance monitoring and improvement

Book Information

Hardcover: 464 pages

Publisher: McGraw-Hill Education; 1 edition (December 31, 2009)

Language: English

ISBN-10: 0444512667

ISBN-13: 978-0071603171

ASIN: 0071603174

Product Dimensions: 7.5 x 1.2 x 9.5 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

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Milton Meckler, M.ASCE, F.ASME, P.E., is president of Design Build Systems (DBS), a company specializing in commercial building construction. He was one of four Global Award Finalists for McGraw-Hill's Platts Energy Lifetime Achievement Award. Lucas Hyman, P.E., LEED AP, is a professional mechanical engineer with more than 25 years' experience and president of Goss

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Excellent Book.

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