



BIOMETHANE

By Dr. John G. Ingersoll

Xlibris Corporation. Hardcover. Book Condition: New. Hardcover. 110 pages. Dimensions: 9.3in. x 6.1in. x 0.5in. The production of biomethane, the renewable version of natural gas, from the biological conversion of organic matter at an industrial scale is fast advancing in several areas of the world. A confluence of factors is fueling the rapid expansion: cost-reducing continuous advances in the technology that make biomethane competitive to fossil natural gas, the emerging concerns over global warming and the need for developing renewable energy resources, and the looming peak oil consequences on the international political-economic stability and in particular the national security of the United States and several major energy importing nations. All types of organic wastes generated by our advanced society, as well as dedicated energy cash crops, can be and are employed separately or combined to produce this renewable fuel. Unlike other biofuels derived from limited food crops, biomethane is a universal natural fuel that is produced in a sustainable fashion because organic fertilizer as a coproduct of the conversion process is used to grow optimally the employed energy crops. Biomethane can be most effectively utilized as a replacement of gasoline and diesel in the transportation sector and is the only practical...



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