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Alternative Fuels and Cogeneration for Reducing CO₂ Emissions

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Abstract

Electricity cogeneration is growing worldwide based on the burning of fossil fuels – especially natural gas. Although its low emission factors, it is important to consider that the availability of natural resources must be taken into account for a long-term investment in the electricity generation sector. The identification of alternative renewable fuels and the integration of cogeneration to certain industrial processes that produce some of these alternative fuels are evaluated in this paper.

Key words: Electricity cogeneration – alternative fuels – CO₂ emissions minimization.
