

Expansion pressure: energy challenges in Brazil and Chile

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Abstract— In Latin America, primary energy demand is projected to grow on average by 1.7% per year and to reach 830 million tons of oil equivalent (mtoe) by 2035, according to the International Energy Agency's 2011 World Energy Outlook. Demand for renewables in the power generation sector in the region will double over that period, reaching nearly 140 mtoe in 2035. Furthermore, the IEA projects that biofuels use in road transport will increase by more than 4% per year, reaching 1 million barrels per day (mb/d) by 2035, representing around 25% of fuel consumption in the sector. The economic giant in the region, Brazil, will increase its primary energy consumption to 420 mtoe in 2035, representing more than half of the regional total.

Index Terms— Economic giants; Expansion pressure; International energy agency; Latin America; Primary energy consumption; Primary energy demand; Renewables; Road transports; World energies

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