

## The green effect

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**Abstract—** This article contributes to the discussion by assessing some general market and economic impacts of renewable generation in some electricity markets in Spain, Germany and Latin America. The need to diversify away from fossil fuel generation due to concerns over energy security, fuel price volatility, and the climate challenge is driving the deployment of nonconventional renewable (wind, small hydro, solar, tidal, geothermal, and in some cases waste) or "green" energy worldwide.

**Index Terms—** geothermal power stations , power generation economics , power markets , solar power stations , sustainable development , tidal power stations , wind power plants

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