

New york electric grid santo domingo

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Electricity generation in the Dominican Republic is dominated by thermal units fired mostly by imported oil or gas (or liquefied natural gas).^{1,2} At the end of 2006, total installed capacity of public utilities was 3,394 MW, of which 86% was fossil fuels and 14% was hydroelectric. The detailed share for the different sources is as follows:³

The large coal-fired Punta Catalina power plant has been accused of causing considerable soil, water and pollution, reportedly affecting the health and livelihoods of local residents.⁴

Source: Electricity Superintendence Statistics, 2006

Total electricity generated in 2006 was 10.7 TWh.³ Generation experienced a 7.7% annual increase between 1996 and 2005. However, between 2004 and 2006, there has been an average annual decrease of about 10% in total electricity generated.⁵

Currently, there are plans for the construction of two 600MW coal-fired plants, Montecristi and Azua, by the private sector. It is also expected that, by 2012, an additional 762MW of hydroelectric capacity will have been added to the generation system. The first three hydropower plants with a combined capacity of 240MW are:

The two first plants are already under construction.⁶

Electricity demand in the Dominican Republic has grown considerably since the early 1990s, at a yearly average of 10% between 1992 and 2003. Consumption is very close to the regional average, with annual per capita consumption of 1,349 kWh in 2003.¹ Total electricity sold in 2005 was 3.72 TWh.⁸ Demand has constrained supply (see The crisis below), which in turn is limited by subsidies (see subsidies below)

In 2001, the share of each sector in the electricity sold by the three distribution companies (EdeNorte, EdeSur and EdeEste) was as follows:⁹



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Web: <https://kary.com.pl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

