

Renewable Energy Sources in Argentina

Fueling the World

Argentine Embassy
Undersecretariat of Investment Development
Ministry of Foreign Affairs
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Global Trend: Renewable Energies

A world striving for sustainable development demands increasing sources of renewable and clean energies

Global facts

- Growing demand for energy
- Climate change and environmental sustainability
- Mandatory biofuel blends across the world

Argentina's edge

- Abundant natural resources for renewable energy production
- Human resources & technological capabilities in energy sector
- Leading producer and exporter of biodiesel
- Potential for development of 2nd generation biofuels, wind and solar energy
- Strong public support for renewable energy generation

Renewable Energies: Diverse Investment Opportunities

Argentina has a privileged position with a variety of renewable energy sources

Hydroelectric Energy

- **The main source of renewable energy in Argentina**
- **Over a third of total electricity generated every year**
- **Opportunities for expansion, particularly in the area of small hydropower plants (up to 30 MW)**



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Biofuels

➤ Biodiesel

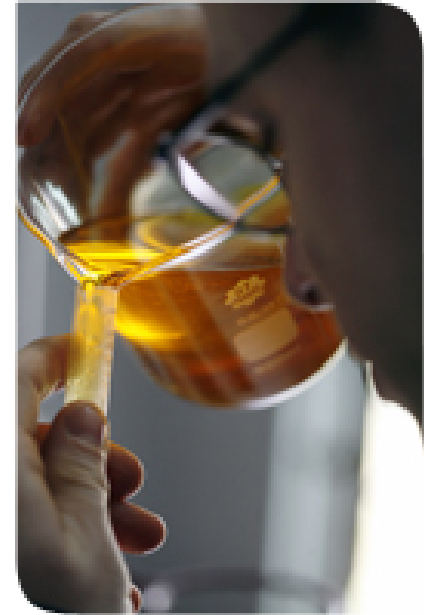
- A competitive and globally integrated industry
- Argentina's output represents 10% of global production
- Third largest producer
- First exporting country (US\$ 900 M in 2009)

➤ Bioethanol

- Stimulated by domestic consumption (up by 90% in 2009)
- Production of sugar mills still modest but doubled in last 5 years

➤ Other biofuels

- Options to be explored (cassava, sweet sorghum and wheat)
- Competitive advantages for 2nd generation of biofuels



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Wind Energy

- Argentina is Latin America's pioneer in wind energy
- 13 wind farms in operation
- One of the areas with highest concentration of wind mills in the world (Pampas region)
- 6 new wind farms under construction (most of them in Patagonia)



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Solar Energy

- **11 provinces in Argentina have a high potential for installing photo-voltaic panels**
- **With an on-going project, San Juan province will become the largest photo-voltaic solar energy source in Latin America and one of the largest in the world**
- **Government programmes GENERN I allocated 10 MW of photo-voltaic generation and GENEREN II 25MW of solar-thermal generation**



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Geothermal Energy

- 4 confirmed locations in Argentina with potential to produce electricity from geothermal sources
- Major investments are required
- Neuquen province has received bids for the construction and operation of a geothermal plant in Copahue



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Biomass and Biogas

- **Projects to generate electricity with biomass based on agricultural and forestry sources**
- **Projects to generate biogas from animal waste and urban solid waste**
- **Generen II programme will call for bids for 120 MW of urban solid waste and 20 MW of biogas**



Renewable Energies:

Public support and growing trend in renewable energy generation

- Law 26.190 establishes that 8% of electricity demand by 2016 should be generated by renewable resources
- The Energy Secretariat's GENREN Programme guarantees the purchase of 1000 MW of electricity generated by renewable energy sources for 15 years
- 49 projects were presented for more than 1400 MW. These projects account for 6.7% of Argentina's electricity generation capacity
- Private investments bids in GENREN Programme are estimated at US\$ 2 billion



Thank You!

To learn more about how to invest in renewable energy projects in Argentina, please contact:

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