



Bolivia

GDP: **\$34.2bn**

Five-year economic growth rate: **11.7%**

Population: **10.8m**

Total clean energy investments, 2009-2014: **\$47.6m**

Installed power capacity: **2.1GW**

Renewable share: **15.7%**

Total clean energy generation: **1.3TWh**

Top energy authority: **Ministry of Hydrocarbons and Energy**

OVERALL RANKING

2014

2015

36 29

OVERALL SCORE

2015

1.04

PARAMETER	RANKING	SCORE
I. Enabling Framework	48	0.61
II. Clean Energy Investment & Climate Financing	02	1.73
III. Low-Carbon Business & Clean Energy Value Chains	51	0.64
IV. Greenhouse Gas Management Activities	27	1.21

SCORE SUMMARY

Bolivia scored 1.04 in *Climatescope* 2015, 29th among countries overall. It gained seven places from 2014's overall country rankings by advancing from seventh to second place on Clean Energy Investment and Climate Financing Parameter II, in which it performed especially well on the Growth Rate of Clean Energy Investments indicator.

On Enabling Framework Parameter I, Bolivia ranked 48th, unchanged from 2014, with a score of 0.61. It registered a particularly good performance on the Clean Energy Rural Electrification indicator.

On Clean Energy Investment and Climate Financing Parameter II, Bolivia rated second overall with a score of 1.73, up from 1.10 in 2014, when it finished seventh.

On Low-Carbon Business & Clean Energy Value Chains Parameter III, Bolivia ranked 51st in 2015 with a score of 0.64, down three positions from 2014.

On Greenhouse Gas Management Activities Parameter IV, Bolivia's 2015 ranking of 27th was four spots below 2014's, with scores of 1.21 in 2015 and 1.33 the previous year.

For further information, access www.global-climatescope.org/en/country/bolivia

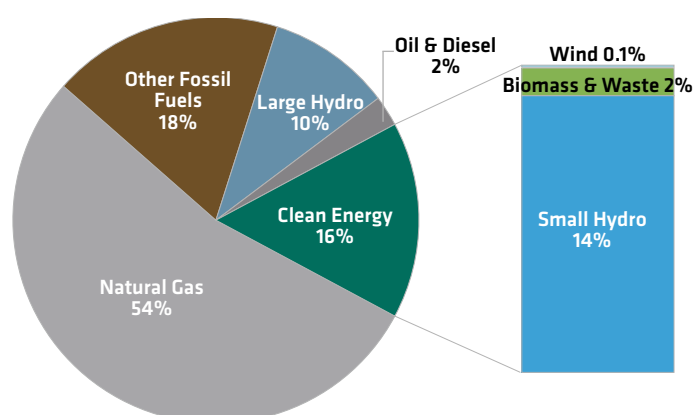
OVERVIEW

Renewables represent a significant portion of Bolivia's 2GW generation base, where 16% of the installed capacity comes from biomass, small hydro and wind. In 2014, the country published Decree 2048 to encourage clean energy development. That year, the country's first wind farm was commissioned, a 3MW plant located in the department of Cochabamba. Additionally, a 5MW PV plant located in the Amazonia isolated system was financed and has begun construction.

As a natural gas producer, Bolivia has a major reliance on that fuel for power generation. In 2014, 58% of the 8.4TWh generated came from gas plants. According to Yacimientos

INSTALLED POWER CAPACITY BY SOURCE, 2014 (%)

2.1GW total installed capacity



Source: Bloomberg New Energy Finance, Autoridad de Fiscalización y Control Social de Electricidad

Petrólieros Fiscales Bolivianos (YPFB), Bolivia's oil & gas company, the country exported the bulk of its gas production in 2014 to Argentina and Brazil. Additionally, the price of natural gas for power plants has been fixed since 2001 at well below international prices. Such low prices make it difficult for renewable projects to compete.

The country's power sector is mostly served by state-owned company Empresa Nacional de Electricidad (ENDE). Through its 11 subsidiaries, ENDE is responsible for most of generation, transmission and distribution in the system. Electricity prices have increased in recent years, although rates remain low compared to other countries in Latin America. In 2014, Bolivia's average retail electricity price was \$0.11/kWh.

Bolivia has a low electrification rate compared to other Latin America countries. Around 87% of Bolivians have access to the grid, with higher penetration in urban areas (around 97%, versus around 67% in rural areas). The rate is expected to rise due to the government's "Electricidad para Vivir con Dignidad" (Electricity for Life with Dignity) program, which focuses on extending the grid and installing solar photovoltaic systems, wind systems and hybrid systems in low-income municipalities across the country.

GREEN MICROFINANCE HIGHLIGHTS

Summary Green MFI Survey 2014

Green Microfinance Institutions / Total MFIs	4/38
Green Microborrowers	1,371
Total Amount of Green Microloans Disbursed	\$13.6m
Average Cost of Green Microloans	15.5%
Average of Loans Portfolio	1-2%

Source: Bloomberg New Energy Finance

Note: Figures based on survey conducted by BNEF from March to June 2014, with a total of 1067 microfinance institutions based in LAC.