

Renewable Energy Policy Brief

SURINAME

JUNE 2015

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Acknowledgement

Authors: Miquel Muñoz Cabré (IRENA consultant); Alvaro Lopez-Peña, Ghislaine Kieffer, Arslan Khalid and Rabia Ferroukhi (IRENA)

For further information or to provide feedback, please contact IRENA's Policy Unit, P.O. Box 236, Abu Dhabi, United Arab Emirates; Email: info@irena.org This brief is available for download from www.irena.org/Publications.

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1. Policy

Electricity

Suriname's electric sector is mostly based on **contractual agreements** (based on the 1957 Brokopondo Agreement) between the national utility (EBS) and the private owner of two legacy power plants (hydro 189MW and fossil fuel 78MW) originally linked to bauxite mining and an aluminum smelter.¹ An additional 40MW of fossil fuel co-generation were installed in 2014.²

Suriname, as a member of the Caribbean Community (CARICOM) has a target of 20%, 28% and 47% renewable electricity generation to be reached by 2017, 2022 and 2027 respectively.

There is **no legislative framework** for electricity or renewable energy and Suriname is working on its development. *Suriname's 2012 Electrical Power Sector* draft green paper establishes the main guidelines for the drafting of an Electricity Act, including energy security, judicial, institutional provisions and the need for an Energy Authority.³ It also includes the principles of cost recovery, energy and economic efficiency, and environmental impacts in the setting of the national utility (EBS) tariffs.⁴

In 2013 the project Development of Renewable Energy, Energy Efficiency and Electrification of Suriname (SU-G1001) with USD 4 million in funding from IDB and GEF was initiated to promote the use and development of renewable energy and energy efficiency in Suriname, including solar, hydropower and bioenergy, through the support of policy development for the promotion of renewable energy.

At the end of 2013 the government of Suriname, in collaboration with Guyana and Belgium launched a **capacity building** programme at the university-level focusing mainly on hydropower, biomass, solar and wind energy.⁵ Suriname's contribution to the program is USD 195,000⁶

The government expects the development of a 5MW solar plant by a private company.⁷

Energy Access

Rural areas (hinterland) have access to subsidized fuel and diesel generation, with very little renewable energy penetration.⁸

¹ Source: <http://blogs.iadb.org/caribbean-dev-trends/2013/11/20/surinames-energy-market/>

² <http://www.gov.sr/sr/ministerie-van-nh/actueel/spcs-nv-uitbreiding-warmtekrachtcentrale.aspx>

³ <http://www.gov.sr/ministerie-van-nh/actueel/green-paper-voor-de-energiesector-is-basis-voor-wetgeving-energieautoriteit.aspx>

⁴ Source: Minister Letter to IDB

⁵ <http://www.gov.sr/sr/ministerie-van-nh/actueel/hernieuwbare-energie-presentatie-te-adek.aspx>

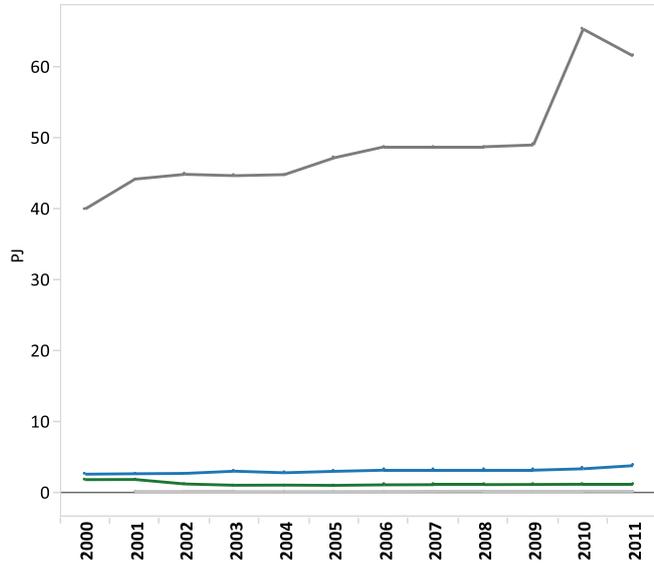
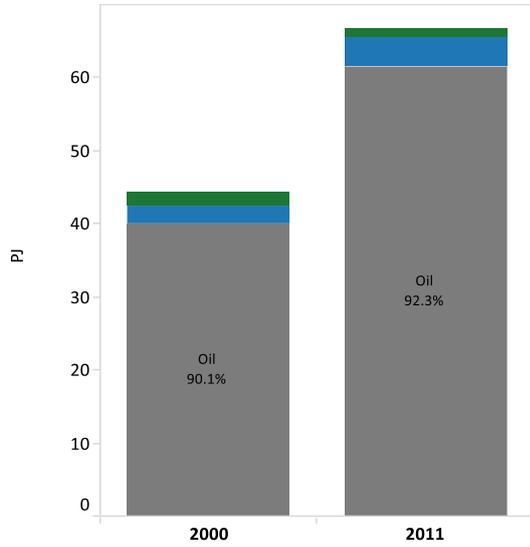
⁶ Announced as EUR 156 thousand

⁷ <http://www.gov.sr/sr/ministerie-van-nh/actueel/hernieuwbare-energie-presentatie-te-adek.aspx>

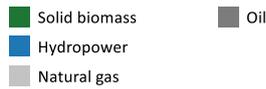
⁸ Source: Development of Renewable Energy, Energy Efficiency and Electrification of Suriname

2. Statistics

Total Primary Energy Supply



Excludes electricity trade

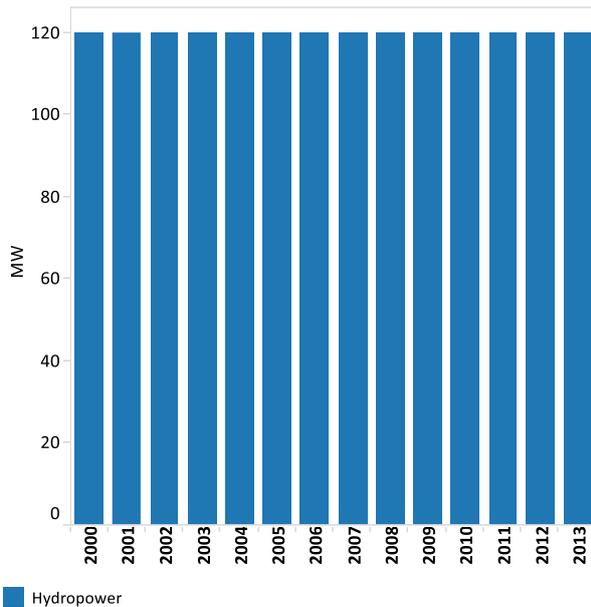


	Total Primary Energy Supply	Share of renewables
2000 Total	44.4 PJ	
Of which renewables	4.4 PJ	9.9%
2011 Total	66.7 PJ	
Of which renewables	4.9 PJ	7.4%

	Total Primary Energy Supply	Share in total renewables
2011 Solid biomass	1.2 PJ	23.5%
Hydropower	3.8 PJ	76.5%

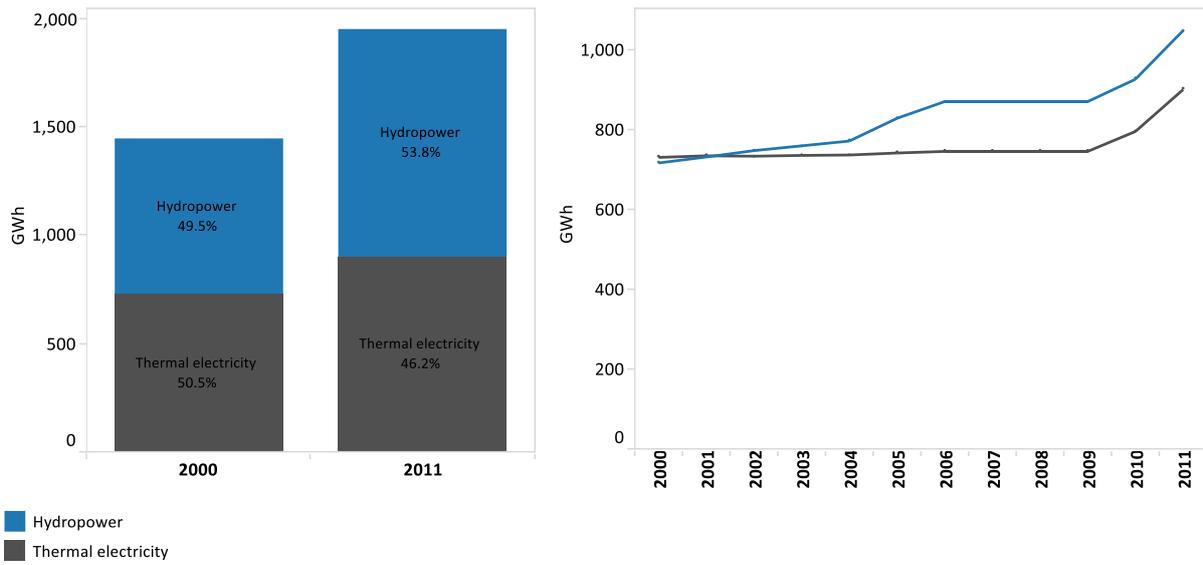
Total includes electricity trade

Renewable Power Capacity



Hydropower

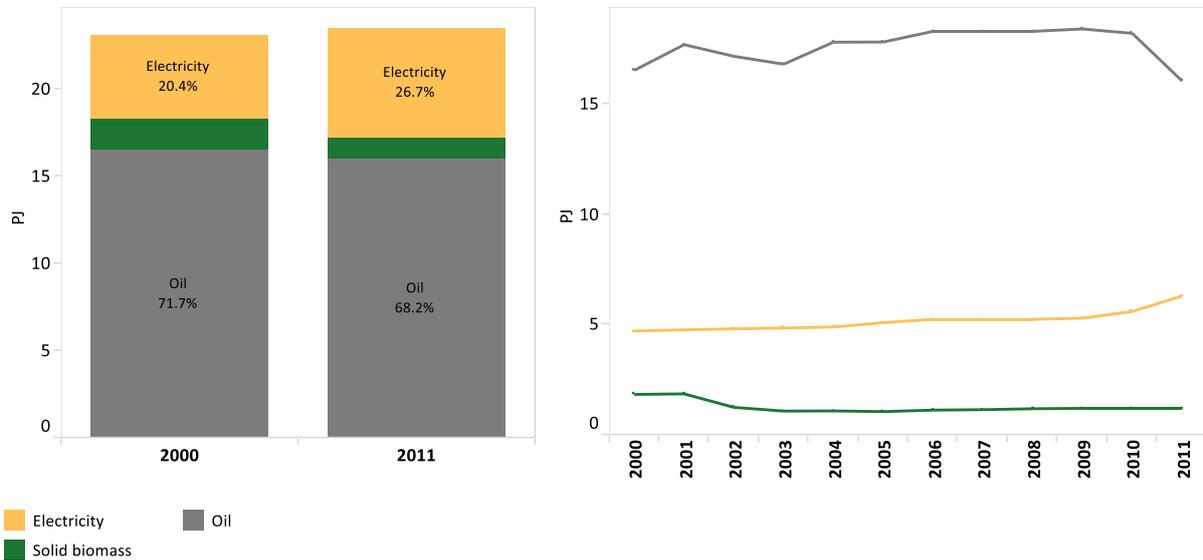
Electricity Generation



	Electricity generation	Share of renewables
2000	Total	1,448.0 GWh
	Of which renewables	717.0 GWh 49.5%
2011	Total	1,950.0 GWh
	Of which renewables	1,049.0 GWh 53.8%

	Electricity generation	Share in total renewables
2011	Hydropower	1,049.0 GWh 100.0%

Total Final Energy Consumption



	Total Final Energy Consumption	Share of renewables
2000	Total	23.0 PJ
	Of which renewables	1.8 PJ 7.9%
2011	Total	23.5 PJ
	Of which renewables	1.2 PJ 5.0%

	Total Final Energy Consumption	Share in total renewables
2011	Solid biomass	1.2 PJ 100.0%

Sources for these statistics: IRENA, IEA, UN

Renewable Energy Policy Briefs

This brief is part of an IRENA series providing a comprehensive and timely summary of renewable energy policies in Latin America (including Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Guyana, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Uruguay, and Venezuela).

The brief brings together the most up-to-date information on renewable energy public policies for the power, heating and transport sectors, and also includes a section on energy access policies. The objective of this brief is not to provide an assessment of the reported policies. The brief is primarily based on the information contained in the [IEA/IRENA Joint Policies and Measures Database](#), complemented with information drawn from: (i) additional existing legislation, (ii) official government sources such as plans, reports and press releases, and (iii) input from country policymakers and experts. While the brief focuses on policies at the national level, sub-national policies are also included where relevant. Specific projects or programmes implemented by actors such as international organisations, development partners and the private sector are beyond the scope of this brief.

The information contained in this document is posted on IRENA's [REsource](#) web portal, will be used to update the [IEA/IRENA Joint Policies and Measures Database](#), and will form the basis of IRENA's future policy work in Latin America.



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