



# Guyana Wind Power Energy Storage Planning

Is offshore wind a viable option in Guyana?

Guyana's geographic location makes offshore wind a viable alternative for renewable energy production. However, current regulatory hurdles are likely to stymie investment in this technology in Guyana.

What does the Guyana Energy Agency do?

The Guyana Energy Agency is responsible for overseeing feasibility studies for the integration of renewable energy programs in Guyana and has regulatory oversight over certain aspects of the energy industry, in addition to the Ministry of Public Works.

Does Guyana have a potential for hydropower?

Guyana has significant potential for hydropower, like its neighbor Suriname which has successfully developed hydro power programs. Renewable energy is viewed as a potential solution by the GoG to reduce the cost of power and provide reliable electricity.

Does Guyana's power grid need to be modernized?

Guyana's power grid is in a severe state of disrepair and needs to be modernized. Approximately 26 percent of the power generated by GPL is lost due to inefficiencies in the grid.

Can hydropower provide Guyana with utility-scale and small-scale capacity?

Hydropower has the potential to provide Guyana with both utility-scale and small-scale capacity. Small-scale is discussed under "Isolated Grids" below. Guyana has a potential for 8.5 Gigawatt (GW) of hydropower on 33 hydropower plants (including storage capacity and run-of-river).

Why is Guyana a good place to invest?

Guyana presents opportunities for investment in renewable energy due to a lack of reliable electricity in its outlying regions. These areas, although having small populations, often have attractive natural resources and locations.

You know, when we talk about renewable energy in the Caribbean, most folks immediately think of Jamaica's solar farms or Barbados' wind projects. But here's the kicker: Guyana's planning ...



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