

Guyana enphase energy

Voltalia, an international player in renewable energies, announces the start of construction of the Sable Blanc project, a combined photovoltaic production, and battery storage plant. With this launch, Voltalia is strengthening its Toco complex, the largest battery storage complex in France with a capacity of 25.6 megawatt-hours.

Sébastien Clerc, CEO of Voltalia, said: "We are very pleased to continue our development in the territory where Voltalia was born in 2005: Guyana. This new project illustrates our ability to support Guyana's energy transition and our expertise in battery storage technology".

Sable Blanc is located near the ocean coast and the border with Suriname in the commune of Mana at a place called "Organabo"; on the plot of land next to the Mana Energie Services storage plant commissioned by Voltalia the last December. This region benefits from a very high level of solar radiation. Sable Blanc is scheduled to be commissioned at the end of 2022 and will benefit from a guaranteed sales tariff for 20 years.

Voltalia currently operates solar, hydro, biomass, and storage power plants in French Guiana with a combined capacity of 31 megawatts, covering nearly 10% of the consumption of the main electricity grid.

Georgetown, November 01, 2024, - Guyana and its fellow CARICOM Member States will observe the month of November as CARICOM Energy Month. This annual observance presents a crucial opportunity for our nations, endowed with abundant renewable energy potential, to unite in reaffirming our commitment to promoting sustainable energy and development through renewable energy during the global transition. As Caribbean Community nations, we will raise awareness about critical energy matters and promote sustainable practices to build a climate-resilient, and low-carbon future.

CARICOM Energy Month evolved from the previously observed Energy Week, which was established in 2011. This annual initiative, mandated through an agreement by CARICOM Energy Ministers, provides a regional platform to increase awareness about the importance of transition to renewable energy. The aim is to reduce greenhouse gas (GHG) emissions and decrease the region's dependence on fossil fuels, thereby striving to close energy gaps across the region.

This CARICOM Energy Month 2024 is an opportune time to reflect on the ongoing development of renewable energy in Guyana and the energy efficiency transformation that has been occurring across various sectors, including electricity generation, telecommunications, transportation, agriculture, infrastructure, education, and healthcare to advance sustainable energy nationwide.

One of Guyana's most important renewable energy projects is the construction of the 165-megawatt (MW)

Amalia Falls Hydropower Plant. By leveraging its extensive river networks, Guyana is exploring the construction of two major hydropower plants over the next 20 years. The Amalia Falls Hydropower Project is the first, with a second location to be determined by 2025.

To diversify its energy mix with the aim to provide reliable and affordable electricity, Guyana is also advancing several small hydropower projects, including the 0.7-megawatt (MW) plant at Moco Moco, Region Nine (Upper Takutu-Upper Essequibo) that will soon be online, and the 1.5-megawatt (MW) facility at Kumu. Both projects will be fully operational by the end of 2024. There is also the construction of a 0.15-megawatt (MW) project at Kato, Region Eight (Potaro-Siparuni).

The Government under the Guyana Utility Scale Solar Photovoltaic Program (GUYSOL) has embarked on the installation of total of 33 megawatts (MW) of utility-scale solar photovoltaic (PV) farms across the country: 8 megawatts (MW) in Essequibo, 10 megawatts (MW) in Berbice and 15 megawatts (MW) in Linden. These projects will displace the use of fossil fuels and contribute to climate change mitigation through the reduction of CO2 emissions.

There will also be the installation of four (4) additional solar farms aside from the GUYSOL Program. In 2022 a 1-megawatt (MW) solar farm was installed in Lethem, Region Nine, and in 2023 a 1.5-megawatt (MW) solar farm in Bartica, Region Seven. Additionally, a 0.65-megawatt (MW) solar farm was recently completed at Mahdia, Region Eight (Potaro-Siparuni), while a 0.60-megawatt (MW) solar PV plant is under construction at Leguan, along with a 0.75-megawatt (MW) solar plant at Wakenaam, Region Three (Essequibo Islands-West Demerara).

In 2021, nine solar-powered mini-grids were installed at Hinterland villages in Regions 1, 2, 7, 8, and 9. Also, 45-kilowatt (kW) solar mini-grids were installed in Orealla and Siparuta, Region Six (East Berbice-Corentyne) to provide electricity to public and community buildings in the villages.

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