



Momentum for Change: Planetary Health Category

Electricians Without Borders: Providing “Emergency Pockets” of Solar Energy in Dominica

Dominica

In Dominica, the increasing frequency and ferocity of hurricanes has had a devastating impact on the island’s vital infrastructure. Following Hurricane Maria in 2017, the Prime Minister of Dominica announced his plan to transform the nation into the first “climate resilient” Small Island Developing State. Electricians Without Borders was one of the first NGOs to answer the country’s call for assistance, with an ambitious plan to help restore electricity to health centres following worsening natural disasters.

Following the emergency, Electricians Without Borders put forward a solution designed to assess and retrofit vital public health infrastructure with stand alone photovoltaic kits. These kits use renewable energy to secure an “emergency pocket” of power needs for six health centers on the island.

Key Facts

- To date, six of Dominica’s Health Centers have been retrofitted with solar panels and electrical equipment to provide an "emergency pocket" of power following natural disasters.
- These stand alone kits are not reliant on the power grid, which allow the health centers to function autonomously. These kits are accompanied with battery capacity that ensure three days of power even without sun.
- St Joseph's Health Center, the largest center of the island, has been equipped with a 40 kW solar field. This pilot installation, a first for the island, is plugged into the national power grid.
- These renewable energy installations play a key role in contributing to the decarbonization of Dominica’s energy mix.

More information

Digital assets are available for download at <http://bit.ly/mfc-2019>

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