

Dominica's supporting energy storage policy

Does Dominica have a national energy plan?

Dominica drafted a national energy plan in 2011 and revised it in 2014. The objective of the plan is to make electricity generation on the island self-sufficient by 2020 using sustainable and indigenous resources.

What is Dominica Electricity Services Limited (domlec) interconnection policy?

This "Interconnection Policy" describes the process and requirements of Dominica Electricity Services Limited (DOMLEC) for any Customer who desire to connect a Distributed Generating (DG) Facility through the customer interface (meter) to DOMLEC's Distribution System.

What is the cost of electricity in Dominica?

The electricity rates in Dominica, as of 2015, were \$0.39 per kilowatt-hour (kWh). This is higher than the Caribbean regional average of \$0.33/kWh.

Does Dominica heavily rely on fossil fuels?

Despite having three hydroelectric plants on the Roseau River that produce 27.4% of Dominica's electricity supply in the present day, Dominica is not heavily reliant on imported fossil fuels as other islands in the region. In the 1960s, hydropower supplied 90% of Dominica's electricity.

Does Dominica generate solar power?

Dominica has a high solar potential with a solar resource of 5.6 kWh per square meter per day. The government has installed LED streetlights (in 2013 and 2014). Dominica also has approximately 30 MW of wind power potential, some of which is under development.

Does Dominica have hydropower?

In the past, hydropower supplied 90% of Dominica's electricity. However, as population and electricity demand grew, diesel generator use increased and hydropower share diminished. Dominica Electricity Services Limited (DOMLEC) is the sole electric utility with an installed electrical generating capacity of 23.8 megawatts (MW) and a peak demand of 17.2 MW.

The introduction of a 30 MW battery energy storage system will ensure a reliable energy supply to the grid, significantly boosting clean energy generation by 19% in Punta Cana, the second-most popular tourist destination in Latin America. "Supporting sustainable infrastructure and renewable energy is critical to our work. Alongside IDB Invest ...

In an era where the transition to sustainable energy is imperative, Dominica is making significant strides in refining its regulatory landscape to enable a thriving energy sector. This advancement is propelled by a key partnership between USAID -through the Energy Sector Reform Project- and Dominica's Independent

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Regulatory Commission ...

The SREP evaluates various generation solutions to meet Dominica's future electricity needs, including geothermal, hydro, solar, wind, and battery storage. In April 2018, Dominica signed an agreement with the Clinton Climate Initiative (CCI) - an initiative of the Clinton Foundation - to manage S-REP.

Dominica U.S. Department of Energy Energy Snapshot Population Size 71,625 Total Area Size 750 Sq. Kilometers Total GDP \$551 Million Gross National Income (GNI) Per Capita \$7,090 Share of GDP Spent on Imports 65.1% Fuel Imports 17.7% Urban Population Percentage 71.1% Population and Economy Installed Capacity 26.7 MW RE Installed Capacity Share (hydro) ...

Figure B.2: Dominica Total Energy Supply in 2012 19 Figure B.3: Dominica Energy Supply and End Use 20 Figure B.4: Share of 2012 Vehicle Registrations by Year of Manufacture (%) 21 Figure B.5: Peak Demand and System Generating Capacity (2005 - 2012) kW 22 Figure B.6: Gross Generation by Energy Source 23

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energy development in Dominica. Few policies currently support renewable energy development, but none inhibit them. Difficulties associated with acquiring adequate land for wind and solar ...

In addressing the large group of participants, Dr. Reginald Thomas, Permanent Secretary in the Ministry of Blue and Green Economy, Agriculture and National Food Security highlighted the importance...

The objective of this policy is to allow consumers of electricity who are customers of DOMLEC to be able to supply some or all their energy needs through the use of renewable energy while ...

It's energy production is today largely dependent on fossil fuels. The Government of Dominica has decided to shift its energy mix, with the target of reaching 100% of its energy produced from renewable sources by 2030. To do so, a solar PV plant is intended to be commissioned, as well as a geothermal power plant. In anticipation of these ...

- The project demonstrates how energy storage supports grid stability during severe storm conditions. During 2017's Hurricane Irma, the Andres system remained online and operational, maintaining the target frequency and supporting grid resiliency while almost 40 percent of the island's total generation assets were forced offline.

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EASE is committed to supporting the EU's efforts to achieve a net-zero emissions power system by 2050. In the shorter term, EASE calls for the 2030 greenhouse gas emissions reduction target to be raised to 55% compared to 1990 levels. Increased deployment of energy storage solutions is needed to support a cost-effective energy transition. Energy storage can facilitate integration ...

This National Energy Policy ("the Policy") is intended to address the concerns of the citizens of the Commonwealth of Dominica, helping combat increasing energy costs and escalating and ...

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o Supporting a target of 9GW of onshore wind generation by 2030. o Supporting a target of 8GW solar generation by 2030. o Supporting at least 5GW of offshore wind by 2030. o Supporting 20-30% of demand side flexibility available to the system by 2030. o Maximising the level of incorporation of renewably generated electricity to the grid

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