#### Could geothermal power Montserrat?

From 2012 until 2017, Montserrat made a push towards geothermal as a potential source for powering the island. Geothermal was the Government of Montserrat's (GoM) first thrust into implementing renewable energy (RE) technology. To date, the government has drilled three wells, namely MON1, MON2 & MON3.

How much does electricity cost in Montserrat?

Montserrat's utility rates start at \$0.53 per kilowatt-hour(kWh) for residential customers, which is above the Caribbean regional average of \$0.33/kWh. Like many island nations, Montserrat is almost entirely dependent on imported fossil fuels, leaving it vulnerable to global oil price fluctuations that directly impact the cost of electricity.

How much energy will Mon1 & MON2 provide Montserrat?

Despite issues with MON3 which experienced a collapse around 1,500m; it is estimated that MON1 &MON2 could provide Montserrat with approximately 3 to 4MWof energy. This was confirmed from an "Early Market Engagement (EME) - Report," organised by the MCWLE.

Does Montserrat need less capital expenditure?

The Task Force noted that thanks to Montserrat's development partners, the Foreign Commonwealth and Development Office (FCDO), "we have reached a point of low-risk factor and the need for less capital expenditure(CAPEX)." The island, they said, had adequate test data to attract further investment.



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potential, an essential resource in Montserrat's future energy strategy. Montserrat wants to attract UK businesses to invest in the island's renewable energy and other sectors. To that end, I recently returned to Montserrat as part of the FCDO-funded UK-Montserrat Trade and Private Sector Investment Project, for which



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Montserrat Energy Strategy 2016 ??? 2030. A Strategy for Sustainable, Accessible & Secure Energy. The Montserrat National Energy Policy mechanisms and reforms must be compatible with regional (CARICOM) targets. Achieving the ambitious regional and national targets for renewable energy generation, energy efficiency and CO 2

# **SOLAR**°



We have organised our services under the BNK Energy Value Cycle with five main headings: discovery, design and project development, procurement, installation and operation: Discovery and project development: we assess suitable sites for our customers'' solar projects and develop detailed project plans, including feasibility studies and engineering designs.

INTERMEDIARY / CORRESPONDENT BANK NAME (field 56): Crown Agents Bank Ltd Address: St Nicholas Road, Sutton, Surrey, SM1 1EL United Kingdom. SWIFT ADDRESS: CRASGB2L. PAYING / BENEFICIARY BANK (field 57): Bank of Montserrat Ltd Address: Brades, Montserrat SWIFT ADDRESS: BKMOMSMS. IBAN # GB63CRAS60836833735001. BENEFICIARY ???



This profile provides a snapshot of the energy landscape of Montserrat, a British overseas territory located in the northern half of the Lesser Antilles. Keywords: DOE/GO-102015-4662; NREL/FS-7A40-64126; September 2015; Energy Transition Initiative; ETI; Islands; Caribbean; Montserrat; Renewable energy; Energy efficiency; Energy data Created Date





Montserrat U.S. Department of Energy Energy Snapshot Population Size 5,373 Total Area Size 102 Sq. Kilometers Total GDP \$63.7 Million GDP Per Capita \$12,754 Share of GDP Spent on Imports 88.0% Fuel Imports 2.4% Urban Population Percentage 9.1% Population and Economy Installed Capacity 7.3 MW



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How it works? Solar panels contain photovoltaic cells made of silicon that convert incoming sunlight into electricity instead of heat. When photons, or light arrays, hit the thin layer of silicon on top of the solar panel, they knock electrons off the silicon atoms and create an electric current (DC) in the solar cells on top of the panels.



Researchers from the United Kingdom flew out to Montserrat this June to investigate the volcanic island's potential as a source of geothermal energy and critical metals. The six members of the Oxford Martin Programme on Rethinking Natural Resources aim to help build a system to make the most of Montserrat's natural resources.





While Montserrat is ineligible to be a member of IRENA because of its British Overseas Territory status it dues benefit from technical support in its drive to become 100% renewable energy sufficient by 2030. Minister Joseph is attending the conference along with Oswen Carty, Energy Officer in MCWLE's Energy Department.



Primary energy trade 2016 2021 Imports (TJ) 465 397 Exports (TJ) 0 0 Net trade (TJ) - 465 - 397 Imports (% of supply) n.a. 109 Exports (% of production) n.a. 0 Energy self-sufficiency (%) n.a. 1 COUNTRY INDICATORS AND SDGS TOTAL ENERGY SUPPLY (TES) Total energy supply in 2021 Renewable energy supply in 2021 Montserrat 98% 2% Oil Gas Nuclear