



SAINT LUCIA NATIONAL ENERGY TRANSITION STRATEGY AND INTEGRATED RESOURCE PLAN | 5 EXECUTIVE SUMMARY RESULTS Saint Lucia's energy transition opportunity provides a win-win situation in which the Government of Saint Lucia supports constituents through cheaper electricity, and LUCELEC continues to profit and provide reliable service.



GW = gigawatts; PV = photovoltaics; STEPS = Stated Policies Scenario; NZE = Net Zero Emissions by 2050 Scenario. Other storage includes compressed air energy storage, flywheel and thermal storage. Hydrogen electrolyzers are not included.



Saint Lucia and the UK-based Institute for Environmental Analytics have formed a new partnership to support the island's transition from fossil fuels to renewable energy. Work is underway after a successful online ???



Renewable energy consumption in 2016 Saint Lucia
98% 2% Oil Gas Nuclear Coal + others Renewables
5% 95% Hydro/marine Wind Solar Bioenergy
Geothermal 5% 95% Electricity Solar + geothermal
heat IEA-IRENA Joint Policies and Measures
Database; IRENA Global Atlas; and World Bank
Global Solar Atlas and Global Wind Atlas. Additional
notes: Energy



Saint Lucia and the UK-based Institute for
Environmental Analytics have formed a new
partnership to support the island's transition from
fossil fuels to renewable energy. Work is underway
after a successful online workshop and virtual
meetings with the Ministry of Infrastructure, Ports,
Energy and Labour and other stakeholders, took
place in



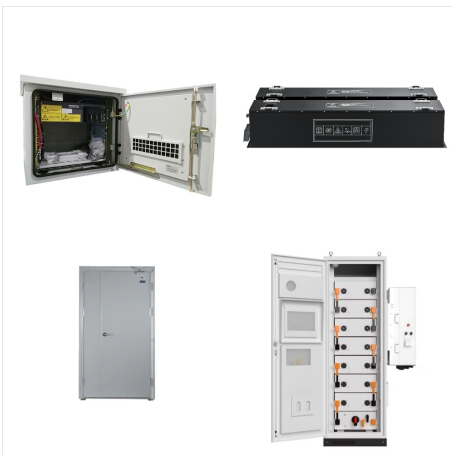
Saint Lucia's energy landscape presents a clear
picture of fossil fuel dependence, with the island
consuming over 20.7 million imperial gallons of
diesel for electricity generation alone in 2022. The
island nation's electricity system, operated by Saint
Lucia Electricity Services Limited (LUCELEC),
maintains an installed generating capacity



GW = gigawatts; PV = photovoltaics; STEPS = Stated Policies Scenario; NZE = Net Zero Emissions by 2050 Scenario. Other storage includes compressed air energy storage, flywheel and thermal storage. Hydrogen ???



developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided



Overview of the National Energy Policy (NEP) The NEP for Saint Lucia, covering the period 2023 to 2030, reflects the commitment of the Government of Saint Lucia to strengthen energy security and reduce energy supply costs. Furthermore, the NEP will help the country meet its nationally determined commitment