

## Seychelles energy storage economics

Seychelles: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.

Political momentum for renewable energy in Seychelles. In its National Climate Change Strategy and Nationally Determined Contribution (NDC) Seychelles pledges to reduce its economy-wide absolute GHG emissions by 21.4% in 2025 and 29.0% in 2030 relative to baseline emissions subject to international support (GoS, 2015).

Energy consumption by sector. The sectoral breakdown of a country's energy demand, which is based on its economy, geography and history, can greatly impact its energy needs and which energy sources it relies on to meet those needs - such as fueling automobiles, heating or cooling homes or running factories.

The Republic of Seychelles has inaugurated its second clean energy project, a 5MW solar PV plant with battery storage. Developed by Masdar and the Seychelles' Public Utilities Corporation (PUC), the Ile de Romainville Solar Park was financed by Abu Dhabi Fund for Development (ADFD).

energy storage technologies; o The 2030 commitment to shift progressively to low carbon transport, including active modes and international maritime transport, starting with public transportation; o The 2030 commitment to use renewable energy (RE) by modernizing the entire electricity sector,

Seychelles committed in its NDC to decarbonize its economy completely by 2050, making it one of the few developing countries to target net zero emissions by 2050.

Seychelles' coastal and marine areas are home to rich ecosystems, including endemic flora and fauna. Recent work on mapping these ecosystems' blue carbon potential aims at assessing their mitigation potential and at promoting their conservation. Seychelles is conducting a national survey of seagrass with support from PEW, TNC, SeyCCAT, and the University of Oxford.

The government is rewriting its energy law to empower the development of renewable energy in the country, which will enable the reduction of emissions for the tourism sector. The Energy Commission in charge of renewables is being absorbed into the government and will help encourage private sector involvement, promoting grid energy storage, and supporting independent power producers. The World Bank supported drafting those energy laws, regulations and guidelines. IRENA and Commonwealth Secretariat are also supporting the Ministry of Finance to bolster finance of clean energy.

The European Commission is working on decarbonizing Seychelles' transport sector by promoting electric

vehicles and expanding public transport--particularly on Mahé, the Seychelles archipelago's largest island, and for interisland ferries, which are responsible for a great portion of transportation emissions. Additional partners supporting this undertaking are NREL and the World Bank.

The EC provided support as part of CAEP to revise the NDC's mitigation section. This work included revising the sectoral emissions profiles and targets in the NDC and devising a series of actions for the government to implement its mitigation commitments in the revised NDC submitted in August 2021. UNDP provided support for the MRV proposal.

This work was done through the Climate Action Enhancement Package with support from UNDP, the World Bank, IRENA, and the EC, with additional support from GIZ, The Nature Conservancy, and Pew. As a result, Seychelles' updated NDC features an increase in the reduction of greenhouse gas emissions from 188 ktCO<sub>2</sub>e, stated in NDC 2015, to 293,8 ktCO<sub>2</sub>e by 2030.

The Partnership's successful execution of its first Work Program and transition to the 2021-2025 Work Program have been made possible by the commitment of its members. The Partnership has grown from 43 to close to 200 members since its establishment in 2016 and now includes 115 countries and 80 institutions. As of September 2021, the Partnership is working in nearly 80 countries and with more than 120 partners delivering support.

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