



# U S Outlying Islands energy solutions international

Can island nations build a greener and more resilient energy sector?

Based on our experience implementing USAID-funded energy programs in over 60 countries--including small islands in the Caribbean, South Asia, Africa, the Pacific, and the Philippines--we've seen first-hand how island nations can build a greener and more resilient energy sector. Below we outline some of these examples and recommendations.

How can off-grid energy solutions help remote island communities?

These examples show that off-grid energy solutions not only bring reliable energy to remote island communities, but they also help foster self-sufficiency, create income-generating opportunities, and decrease outlays for fuel.

Could islands cut ties with the fossil fuel industry?

Many islands have access to abundant wind, solar, hydro, tidal, biofuel, or geothermal energy resources and could significantly cut ties with the fossil fuel industry.

Why are island communities so vulnerable?

Islands also experience some of the highest energy costs and resource insecurity and are often home to important and unique ecosystems. These ecosystems can be extremely vulnerable to the existing energy infrastructures serving island communities.

What is Block Island's energy plan?

Block Island, Rhode Island is looking to identify renewable energy sources that can be used to generate electricity on the island and reduce reliance on imported electricity and fuels. The community will engage in energy planning to shore up its resilience, particularly in the face of sea-level rise.

Why do small island states have a unique economic and ecological vulnerability?

Small Island states share a number of unique economic and ecological vulnerabilities. Islanders depend heavily on the resources of an inherently limited environment, and any resources not provided by the island (fuel, food, labor, etc.) must be imported at great expense (Ewing-Chow 2020).

Through the Energy Transition Initiative (ETI), the U.S. Department of Energy and its partners work with government entities and other stakeholders to establish a long-term energy vision and successfully implement energy efficiency and renewable energy solutions. ETI provides a proven framework and technical resources

WASHINGTON, D.C. -- The U.S. Department of Energy (DOE) today announced it will work with 12 competitively selected remote and island communities around the United States to help strengthen their energy infrastructure, reduce the risk of outages, and improve their future energy and economic outlook. Through the



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Energy Transitions Initiative ...

Today, the U.S. Department of Energy's (DOE) Energy Transitions Initiative Partnership Project (ETIPP) is announcing nine new projects with remote and island communities building local energy systems that are sustainable, resilient, and reliable year-round.

As the world begins to undertake the global energy transition towards clean and intermittent energy sources in an effort to avert climate catastrophe, the lessons, technologies, and policy innovations that emerge from small-scale island decarbonization initiatives could have global implications that far outweigh the modest investments needed to ...

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The Assistant Secretary for Insular and International Affairs and the Office of Insular Affairs (OIA) carry out the Secretary's responsibilities for the U.S. territories of American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands.

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weaknesses in island energy, water, and food (EWF) systems as a result of utility outages, shipping delays, devastation of natural resources, and subsequent impacts on the economy. These events have challenged islands to improve their resilience, adopt integrated strategies that promote EWF security, and promote socioeconomic prosperity.

Click on an island on the map above or download its snapshot below to learn more about its electricity sector, clean energy policy environment, energy efficiency and renewable energy projects and resource potential, and opportunities for clean energy transformation to reduce its dependence on imported fossil fuels.

3 ???&#0183; HPNET and partners were pleased to contribute to two new reports launched by the International Renewable Energy Agency (IRENA) as part of the Small Island Developing States at a Crossroads series, focusing on the present and potential socioeconomic and environmental benefits, barriers, and opportunities of a just and equitable energy transition to renewables in ...

Renewable energy solutions, particularly solar, provide an opportunity for island nations to expand their economy and achieve climate goals. Under the USAID-funded Energy Secure Philippines (ESP) program, a



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