

The EU Islands Facility NESOI is pleased to introduce the clean energy projects receiving its support:

# SIFNOS

## Seeking Innovations For eEnergy Optimised Saving

“ Sifnos has been declared as a pilot island of the Clean Energy for E.U. Islands initiative, thanks to the efforts of the Sifnos Energy Community (SEC) ”

<b>Country</b>  <b>GREECE</b>	<b>Island</b> <b>SIFNOS</b>	<b>Project promoter</b> <b>Sifnos Energy Community</b>	<b>Sector</b> <b>Energy Community</b>	<b>Project value</b> <b>14 M€</b>
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### What is the project about?

The SIFNOS project focuses on two pillars: implementing final studies for electricity saving in potable water production and hydraulic distribution and installing centralized solar thermal collectors for hot water production. It also involves a feasibility study for a hydrogen production and storage plant, which will exploit the annual electricity surplus from the wind park-pumped storage Hybrid Power Plant (HPP) in Sifnos. The project aims for optimum electricity saving and management, facilitating HPP operation and achieving 100% energy independence on the island. The municipality of Sifnos is the main project beneficiary.

### How will the EU Islands Facility NESOI support the project?

- Proposed measures include new pumps, variable speed motor drives, a centralized control system, and a photovoltaic plant for electricity compensation.
- Economic assessment includes set-up, operation, maintenance, annual benefit, indices, and sensitivity analysis.
- Key performance indicators include annual electricity savings, payback period, renewable energy penetration, and CO2 emissions.



*Coast of Sifnos*  
Source: rene boulay