

Sifnos

Cyclades Islands, Greece



Sifnos in a nutshell

Located in the South Aegean Sea



25% of the territory belongs to the Natura 2000 European Network of Nature Protection

Population increases by 510% during the summer



Permanent population: 2,625
Peak during the summer months: 16,000

Connected to mainland and to Cyclades Islands



By ferries
· 130 km from Piraeus
· 3-5 h

Tourism is the main economic activity



In addition to pottery, agriculture, farming, fishing & beekeeping

Stakeholder mapping

Civil society

Sifnos Island Cooperative

Business sector

Public Power Corporation

Association of Professionals & Merchants

Rental House Association

Public sector

Sifnos Municipality Board

Greek Distribution System Operator (HEDNO)

Greek Energy Regulatory Authority (RAE)

Academia

Kindergarten/primary Education

Gymnasium-Lyceum of Sifnos

Technical Educational Institute of Crete (TEIC)

Energy System Description

	Final Energy Consumption in 2018 [MWh]	CO ₂ [tonne]
Electricity	18,704	4,994
Heating	1,379	201
Transport to & from	529,733	141,439
Transport on Island	17,281	4,446
TOTAL:	567,097	151,080

Electricity

Non-interconnected.

Electricity mostly generated by diesel engines.

Installed roof mounted solar photovoltaic: 335 kW.

Since March 2019, two wind turbines with a total capacity of 1.26 MW are operational.

Heating

Households and hotels' heating and hot water mostly produced with heating oil.

Transport on the island

Vehicles for road transport are mainly cars, buses and motorcycles.

2 Public and 3 privately-owned buses.

Transport to and from the island

During high season, around 25-30 ferries travel to & from the island per week.

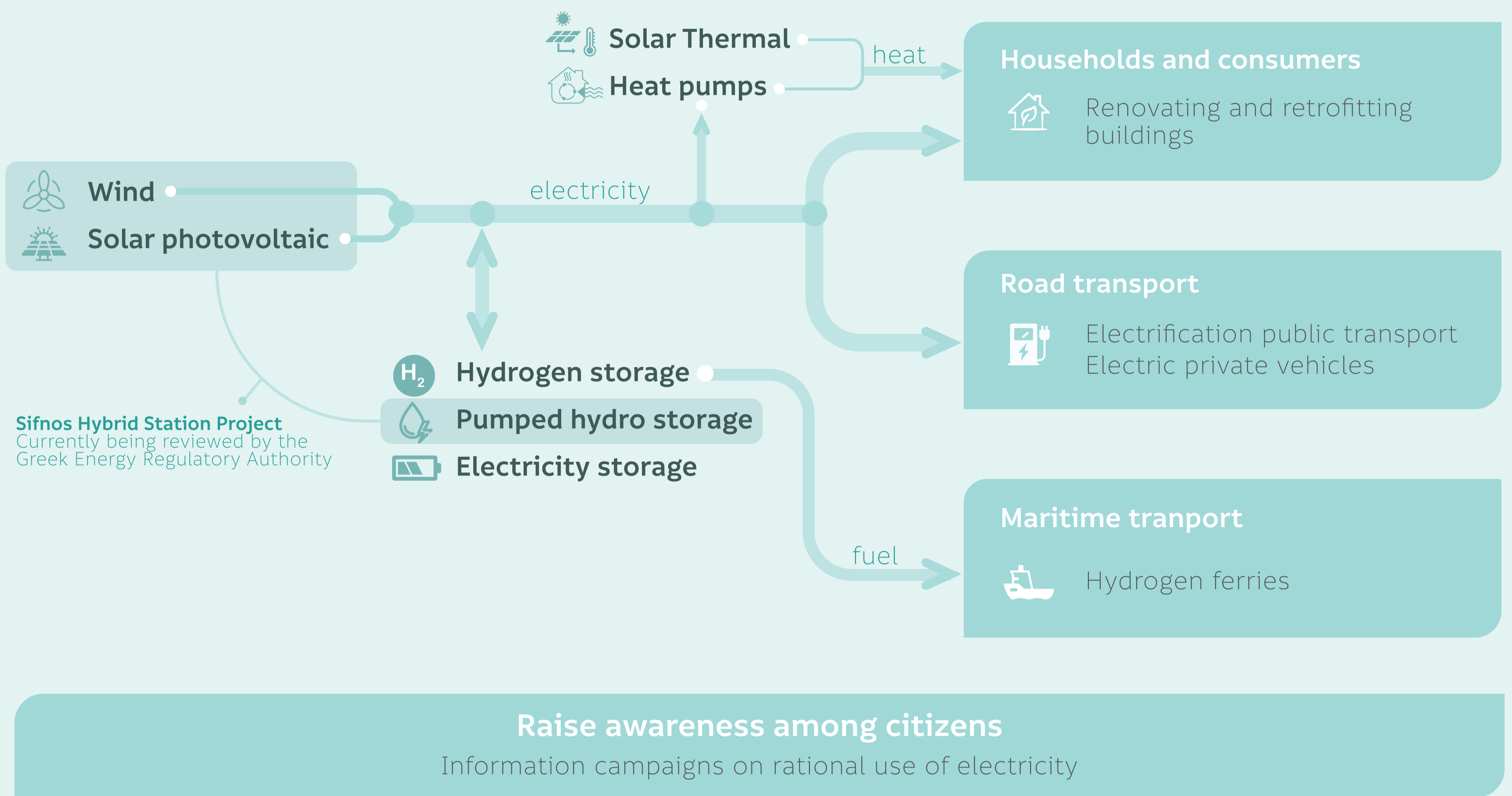
During winter they are reduced to 10.

In 2019, a total of 1,966 ferries arrived to Sifnos.

Vision

Sifnos is energy independent with a 100% renewable energy generation system. Sifnos' inhabitants and private investors partly own the renewable installations. Transport is decarbonised. The island community and economy are protected and flourishing.

Transition pathways



Transition governance

