



Malta's annual report of energy saving measures for year 2021

Part of the fulfilment of the obligations under Article 7 of Directive 2012/27/EU on Energy Efficiency

March 2023



As part of the fulfilment of the obligations under Article 7 of Directive 2012/27/EU on Energy Efficiency currently in force, Member States are required to achieve cumulative end-use energy savings for the entire obligation period 2021 to 2030, equivalent to new annual savings of at least 0.8 % of final energy consumption. Malta and Cyprus, in view of the specific characteristics and small size of their energy markets, are required only to achieve cumulative end-use energy savings equivalent to new savings of 0.24 % of final energy consumption for the period 2021 to 2030.

This requirement is expected to be met by new policy measures that are adopted during the new obligation period from 1 January 2021 to 31 December 2030, or by new individual actions as a result of policy measures adopted during or before the previous period, provided that the individual actions that trigger energy savings are introduced during the new period.

For Malta, the 0.24% target translates to cumulative energy savings of 956 GWh over the period 2021-2030. There are various policy measures contributing towards this target and earmarking different sectors. The below is a summary of each measure and its contribution towards the 0.24% target in 2021.

(Figures provided for budget in 2021 refer to the actual cost in that year).

Solar Water Heater / Heat Pump Water Heater Scheme	
Description of measure	This scheme aims to incentivize the installation of solar water heaters and heat pump water heaters in the residential sector as opposed to the standard electric water heater. Applicants are refunded 75% of the costs of the Solar Water Heater itself, including VAT, and capped at €1,400. An additional grant of €500 is provided 5 years following installation, to cover the maintenance costs. Applicants are refunded 50% of the costs up to €1,000 when installing a heat pump water heater.
Type of policy instrument	Economic
Budget in 2021 (€)	0.52 million
Implementing Authority	Regulator for Energy and Water Services (REWS)
Target sector	Residential
Final Energy Savings in 2021 [GWh]	0.88

Electricity Tariff Structure & Eco-Reduction	
Description of measure	This measure aims to incorporate a mechanism which incentivizes end-users to reduce consumption below an established threshold and deter high consumption by increasing electrical unit cost as consumption increases.
Type of policy instrument	Regulatory
Budget in 2021 (€)	7.5 million
Implementing Authority	Enemalta
Target sector	Residential
Final Energy Savings in 2021 [GWh]	7.14

Energy Efficient Street Lighting	
Description of measure	This measure aims to continue investing in energy efficient street lighting systems and replace present lighting luminaires with LEDs.
Type of policy instrument	Planning
Budget in 2021	0.44 million
Implementing Authority	Enemalta
Target sector	Public Sector
Final Energy Savings in 2021 (GWh)	0.19

Projects in primary water network and wastewater treatment plants	
Description of measure	This measure consists of the following actions – 1) Investing in the primary water network to improve the efficiency and blending capacity of the distribution network 2) Retrofitting of Wastewater treatment plant 3) Investing in more energy-efficient process aeration equipment
Type of policy instrument	Planning
Budget in 2021 (€)	28.73 million
Implementing Authority	Water Services Corporation
Target sector	Public Sector
Final Energy Savings in 2021 (GWh)	1.53

Free Transport for Youths, Students and School Children	
Description of measure	This measure aims to encourage modal shift from private vehicle use to collective transport through the provision of free transport for primary and secondary school children.
Type of policy instrument	Economic
Implementing Authority	Ministry for Education, Sport, Youth, Research and Innovation
Target sector	Transport
Final Energy savings in 2021 [GWh]	1.02

Continuation of EV Grants and Electromobility Action Plan	
Description of measure	<p>This group of measures facilitates the replacement of inefficient ICE vehicles to either more efficient ICE vehicles or EV vehicles. This is implemented through two schemes – the vehicle scrappage scheme and the EV grant scheme.</p> <p>The measure also includes an EV car sharing initiative</p>
Type of policy instrument	Economic
Budget in 2021 (€)	9.78 million
Implementing Authority	Transport Malta
Target sector	Transport
Final Energy savings in 2021 [GWh]	3.11

Replacement of Appliances in Vulnerable Households Scheme	
Description of measure	<p>This measure involves a tailor-made financial scheme designed to identify vulnerable households, conduct home visits and provide advice on how to consume less energy & water, and if merited, replace old and inefficient appliances with new energy-efficient models.</p>
Type of policy instrument	Economic
Budget in 2021 (€)	Approx. 0.05 million
Implementing Authority	The Stakeholder and Support Unit within the Energy and Water Agency & The Foundation for Social Welfare Services
Target sector	Residential
Final Energy savings in 2021 [GWh]	0.01

End use water savings	
Description of measure	A long-term national water conservation campaign which consists of disseminating water saving kits amongst other activities. The reduction in water consumption is resulting in lower electricity demand in households (less hot water demand) and in reduced electricity demand for water production.
Type of policy instrument	Planning
Budget in 2021 (€)	2.77 million
Implementing Authority	The Water Unit within the Energy and Water Agency
Target sector	Residential, Public Sector
Final Energy savings in 2021 (GWh)	1.45