

This information is provided for educational purposes only. The Regulator for Energy and Water Services does not guarantee the completeness or accuracy of the information provided and the user of the information makes use of it at his or her own risk. The Regulator shall not be held liable for whatever use is made of this information.

The uptake of solar systems in Malta

(Status as at the end of the year 2016)

Solar Photovoltaic systems:

The data provided here illustrates the uptake of Photovoltaic systems in the Maltese Islands.

“Connected” refer to PV systems installed and connected to the national grid through a PV meter provided by Enemalta and include only those PV systems for which the date of connection has been made available to the Regulator for Energy and Water Services.

“Registered” refer to PV systems for which an application for an authorization or a notification has been submitted to the Regulator for Energy & Water Services (previously the Malta Resources Authority), but this does not necessarily mean that the PV system has been installed and connected to the grid. The difference in capacity between “Registered” and “Connected” is the capacity that at the time of preparation of the report is still under construction and hence not yet connected to the national grid through a PV meter. Registered applications may also be withdrawn by the applicant.

Table 1 Capacity connected at end of 2010

As at end of 2010	Connected by sector
	<i>Capacity kWp</i>
Commercial	239
Industrial	143
Residential	289
Institutional Households	-
Public	74
Other	-
Total	745

Table 2 Data as at end of 2011

Cumulative as at end of 2011	Connected by sector	Registered by sector (Δ = in progress)	Number of connected systems by sector
	<i>Capacity kWp</i>	<i>Capacity kWp</i>	<i>Number</i>
Commercial	1,237	3,972	68
Industrial	599	2187	25
Residential	3,313	10,000	1,846
Institutional Households	18	24	3
Public	152	424	17
Other	-	-	-
Total	5,318	16,606	1,979

Table 3 Data as at end of 2012

Cumulative as at end of 2012	Connected by sector	Registered by sector (Δ = in progress)	Number of systems connected by sector
	<i>Capacity kWp</i>	<i>Capacity kWp</i>	<i>Qty</i>
Commercial	3,533	6,360	162
Industrial	1,786	2,676	54
Residential	9,984	10,776	5,078
Institutional Households	74	128	7
Public	289	704	64
Other	-	-	-
Total	15,667	20,644	5,365

Table 4 Data as at end of 2013

Cumulative as at end of 2013	Connected by sector	Registered by sector (Δ = in progress)	Number of systems connected by sector
	<i>Capacity kWp</i>	<i>Capacity kWp</i>	<i>Qty</i>
Commercial	6,107	10,445	281
Industrial	2,871	11,282	73
Residential	18,379	28,193	11,566
Institutional Households	132	722	13
Public	685	5,481	64
Other	-	-	-
Total	28,174	56,124	11,997

Table 5 Data as at end of 2014

Cumulative as at end of 2014	Connected by sector	Registered by sector (Δ = in progress)	Number of systems connected by sector
	<i>Capacity kWp</i>	<i>Capacity kWp</i>	<i>Qty</i>
Commercial	8,152	14,737	370
Industrial	10,561	17,804	105
Residential	34,330	38,743	13,789
Institutional Households	793	1,023	64
Public	1,005	7,119	105
Other	-	-	-
Total	54,841	79,425	14,433

Table 6 Data as at end of 2015

Cumulative as at end of 2015	Connected by sector	Registered by sector (Δ = in progress)	Number of systems connected by sector
	<i>Capacity kWp</i>	<i>Capacity kWp</i>	<i>Qty</i>
Commercial	10,980	23,751	564
Industrial	14,688	1,087	146
Residential	45,116	65,877	17,222
Institutional Households	1,008	937	77
Public	2,940	7,976	148
Non Residential	17	414	3
Total	74,749	100,042	18,160

Table 7 Data as at end of 2016¹

Cumulative as at end of 2016	Connected by sector	Registered by sector (Δ = in progress)	Number of systems connected by sector
	<i>Capacity kWp</i>	<i>Capacity kWp</i>	<i>Qty</i>
Commercial	15,531	24,713	624
Industrial	19,494	22,911	167
Residential	51,795	59,588	19,032
Institutional Households	1,104	1,110	85
Public	4,006	4,804	170
Non Residential	1,477	21,620	119
Total	93,407	134,746	20,197

¹ Provisional figure

Figure 1: Total PV capacity connected: Residential vs. Non-Residential

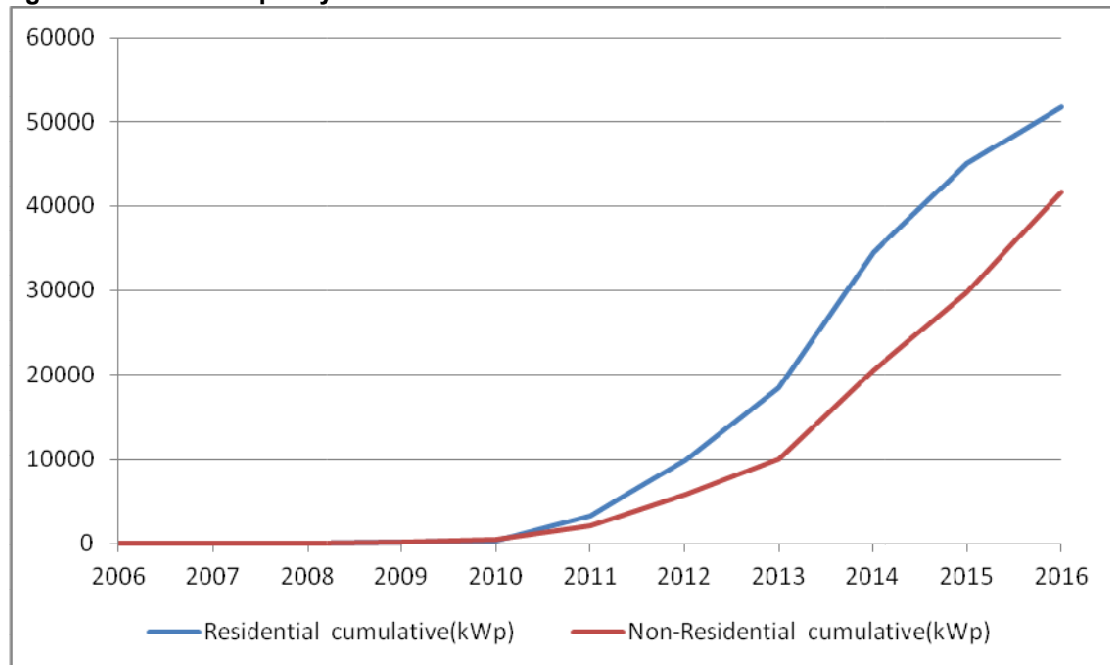


Figure 2: Total PV capacity connected vs. total capacity registered

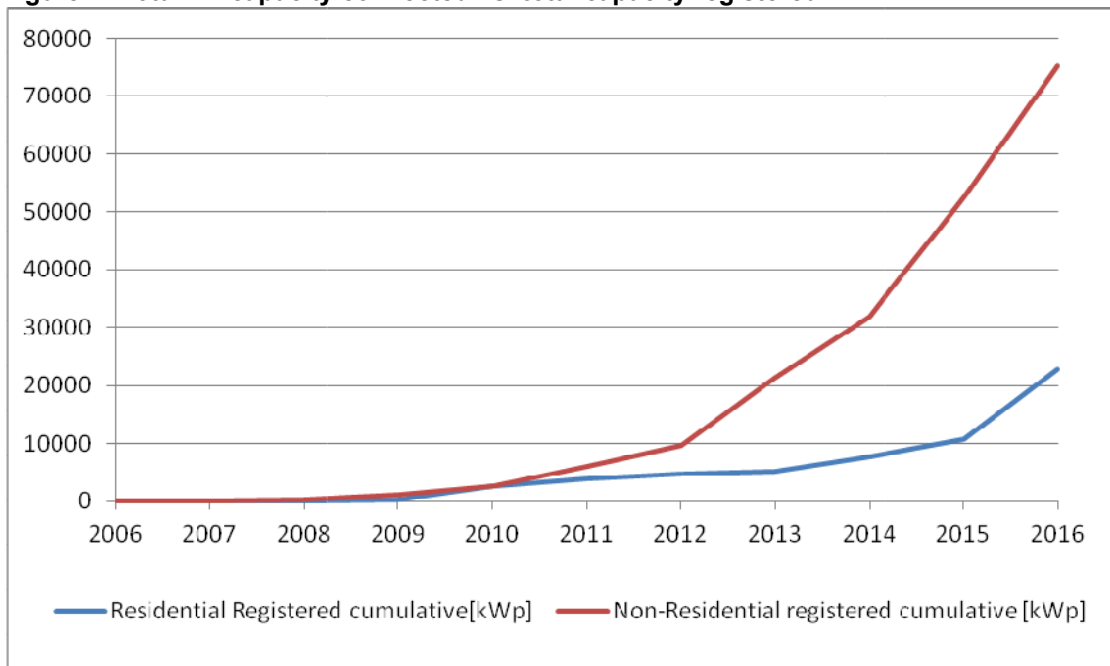


Figure 3 – Number of applications submitted by sector

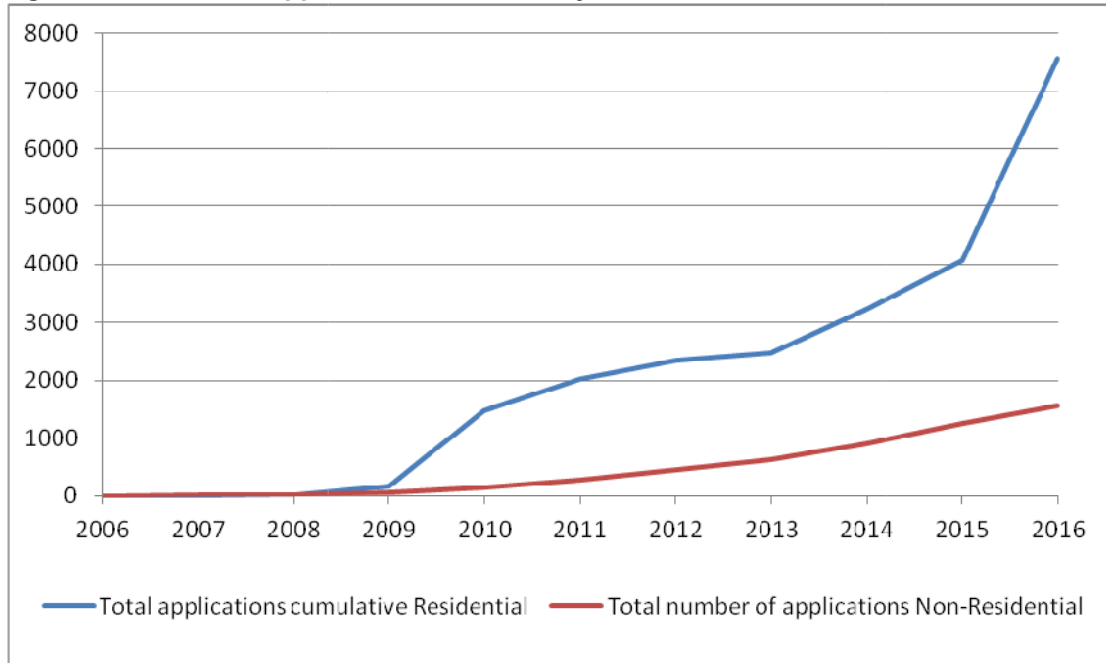
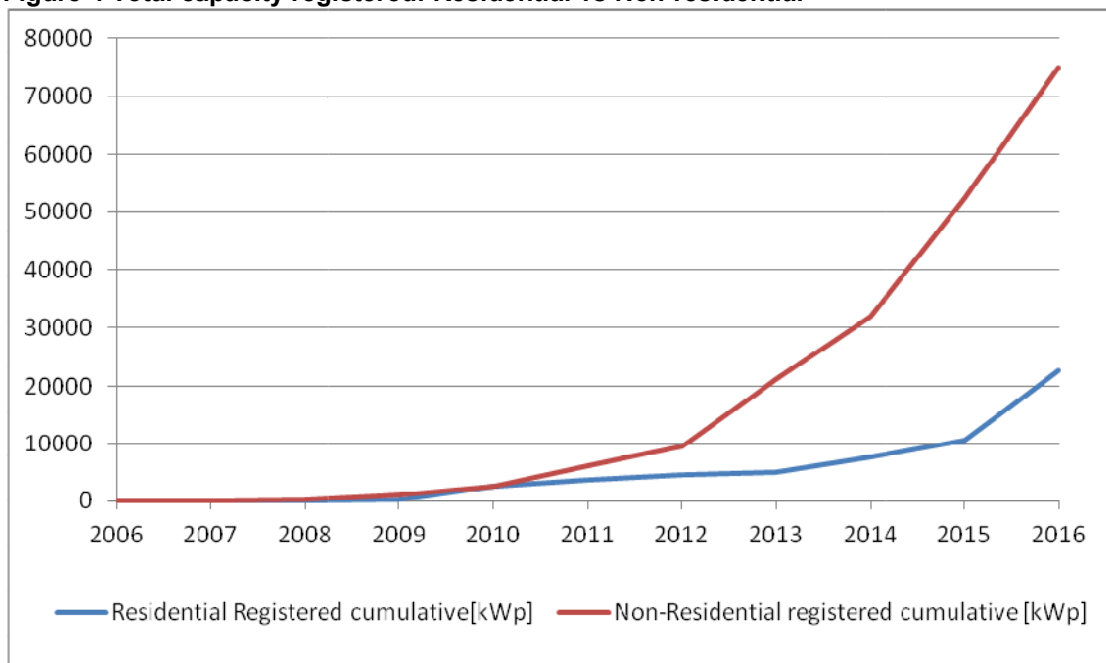


Figure 4 Total capacity registered: Residential vs Non-residential



Photovoltaics installations [kWp] per Local Council

Figure 5 Total PV capacity installed in the Southern Harbour Area

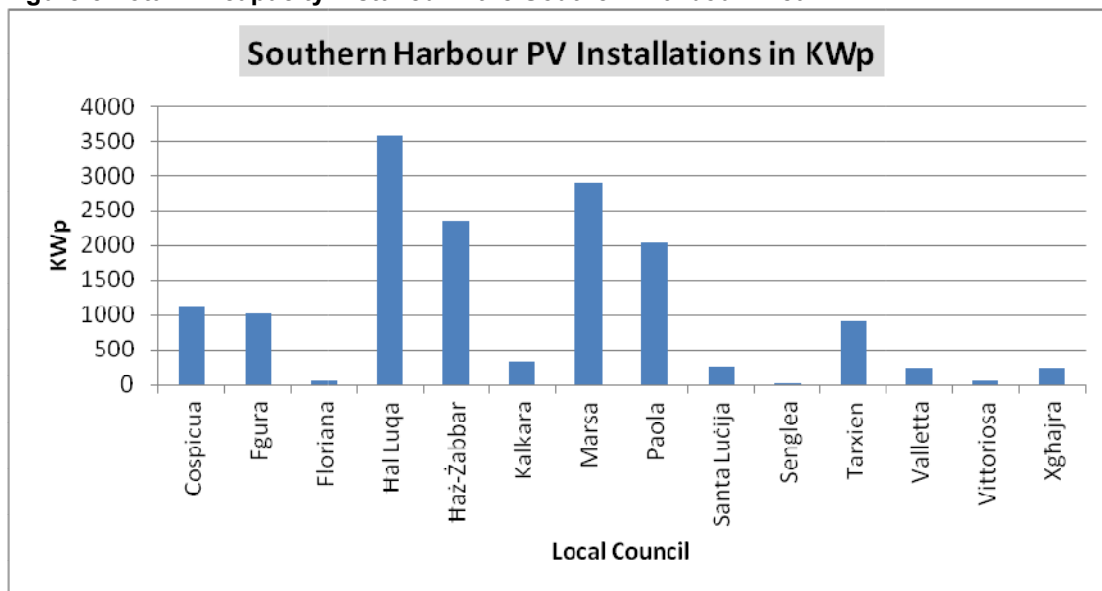


Figure 6 Total PV capacity installed in the Northern Harbour Area

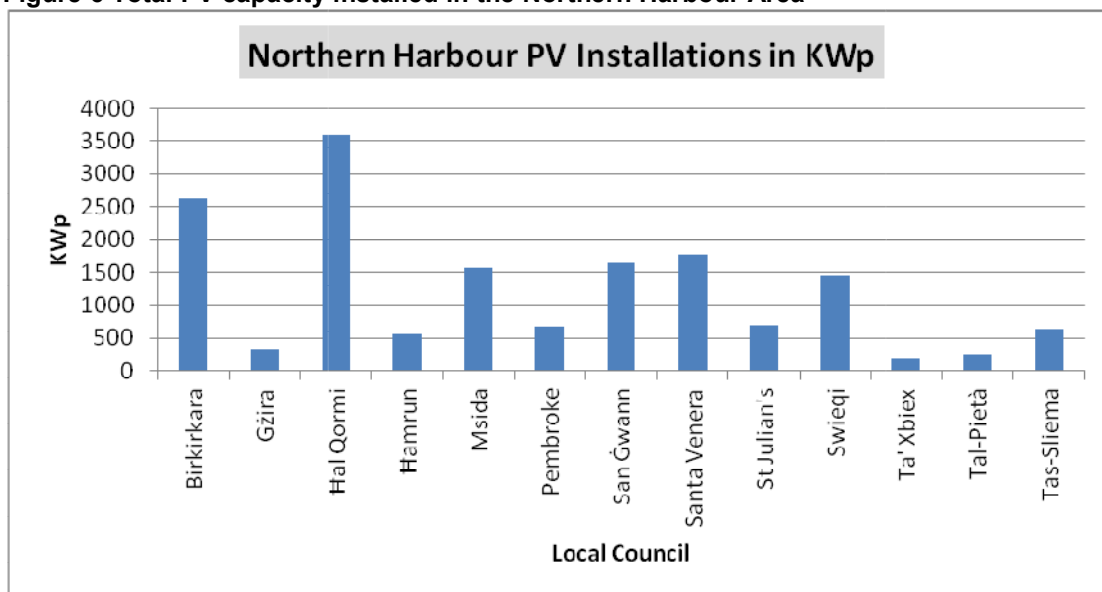


Figure 7 Total PV capacity installed in the Southern Eastern Area

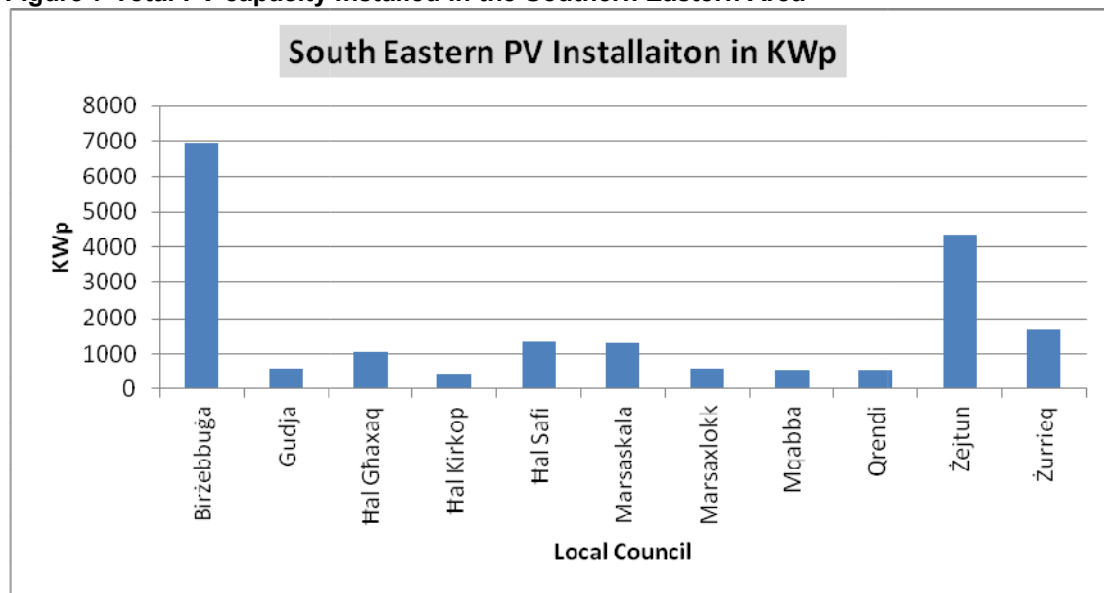


Figure 8 Total PV capacity installed in the Western Area

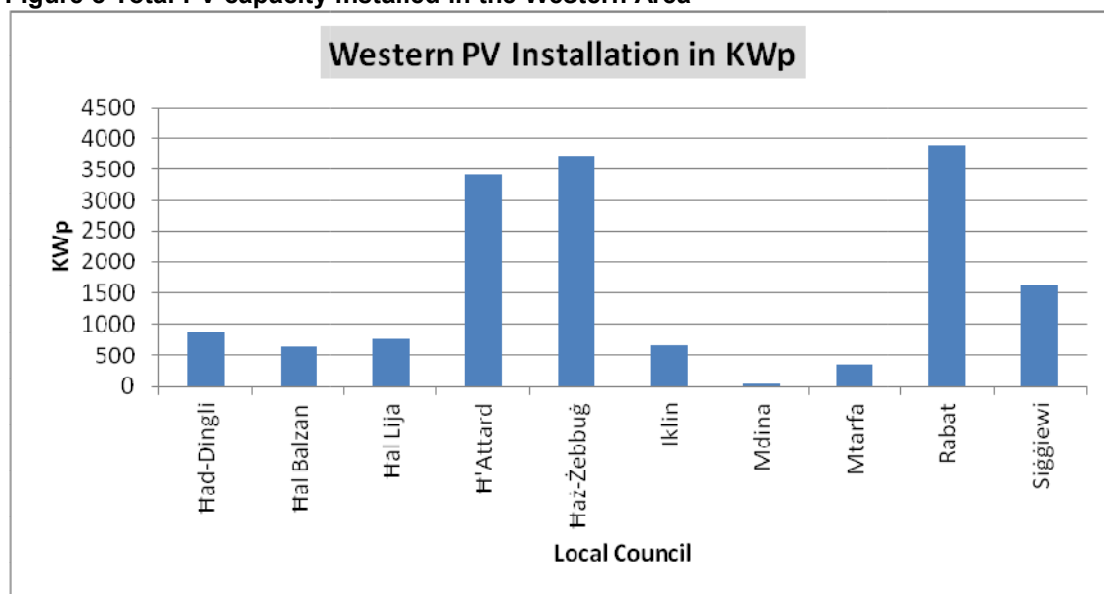


Figure 9 Total PV capacity installed in the Northern Area

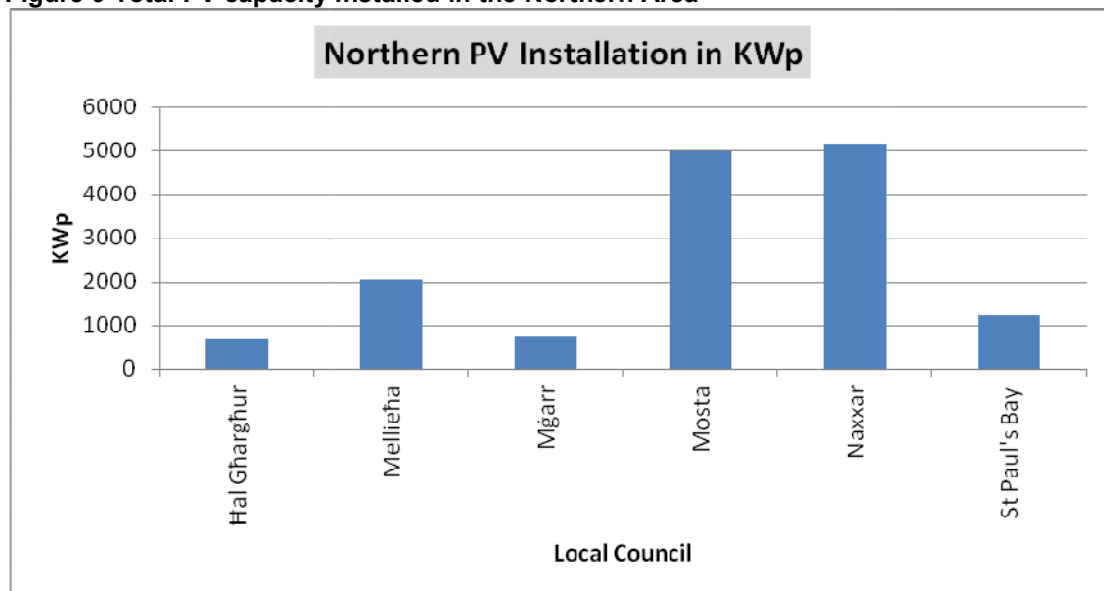
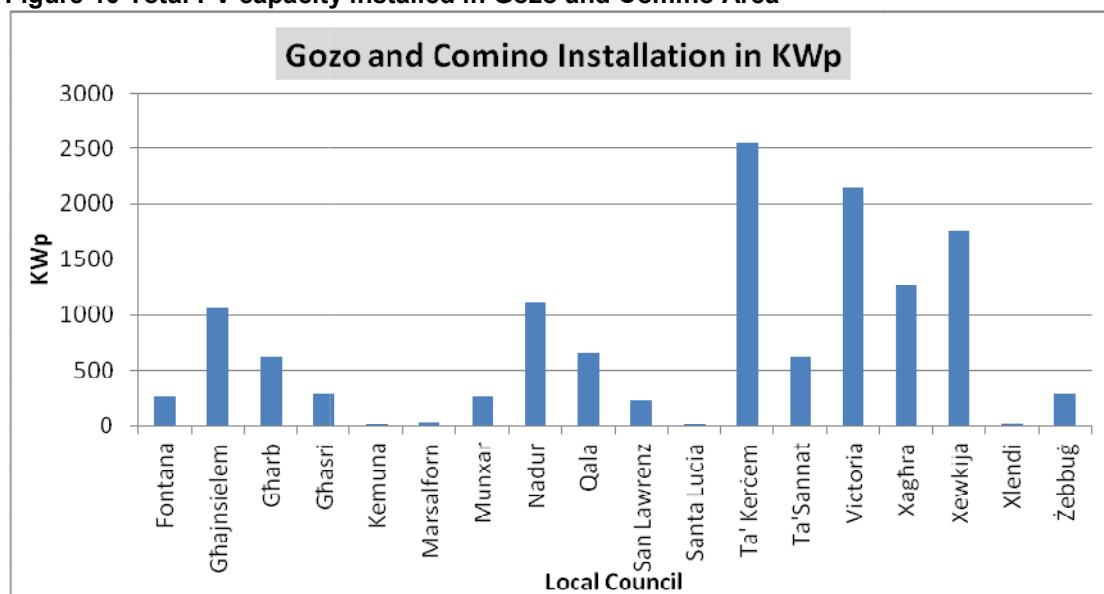


Figure 10 Total PV capacity installed in Gozo and Comino Area



Solar Water Heaters

The data being provided here is related only to Solar Water Heaters that have benefitted from a grant scheme administered by the Regulator for Energy and Water Services (previously the Malta Resources Authority). Therefore the data being presented in this report does not include Solar Water Heaters installed in the residential sector without grants or under other grant schemes. Similarly, the data does not include solar thermal systems installed on non-residential buildings. For the complete data on a national level covering all the sectors please refer to the National Statistics Office.

It should be noted that the 2011 Solar Water Heater National scheme was still open at the date of publishing of this report.

Table 8- Trend in SWH benefiting from REWS grants

Solar Water Heaters	
Year	Qty
2006 Solar water heater	2536
2009 Solar water heater	2966
2010 Solar water heater ERDF	533
2011 Solar water heater ERDF	37
2011 Solar water heater National	3409

Table 9- Data segregated by payment year for all schemes.

Description Scheme	Year Paid	Number of Payments
2006 Solar water heater	2008	1,390
2006 Solar water heater	2009	1,144
2006 Solar water heater	2010	2.
2009 Solar water heater	2009	1,325
2009 Solar water heater	2010	1,626
2009 Solar water heater	2011	13
2009 Solar water heater	2012	2
2010 Solar water heater ERDF	2010	186
2010 Solar water heater ERDF	2011	342
2010 Solar water heater ERDF	2012	4
2010 Solar water heater ERDF	2014	1
2011 Solar water heater ERDF	2011	15
2011 Solar water heater ERDF	2012	19
2011 Solar water heater ERDF	2013	3
2011 Solar water heater National	2011	756
2011 Solar water heater National	2012	779
2011 Solar water heater National	2013	433
2011 Solar water heater National	2014	607
2011 Solar water heater National	2015	371
2011 Solar water heater National	2016	307
2011 Solar water heater National	2017	156

PV systems installed through Residential grant schemes²

The data being provided here is related only to PV systems installed in the residential sector that have benefitted from a grant administered by the Regulator for Energy and Water Services (previously the Malta Resources Authority).

MRA Scheme	Number of Beneficiaries	Total kWp	Total Payments
		kWp	Euros
2006 PV	8	14.48	15,242.83
2009 PV	154	203.02	461,650
2010 PV call 2 ERDF	1,659	3,000.50	4,897,213.46
2010 PV National	43	62.2	123,420.19
2011 PV ERDF	3,021	6,221.79	8,905,563.35
2013 PV ERDF	8443	23,420.26	20,523,322.49
2015 PV ERDF	2,238	7,171.42	4,778,456.36
2016 PV ERDF	2,666	8,635.65	5,813,631.33

² Data updated till September 2017