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## **The uptake of solar systems in the Maltese Residential Sector. (Status as of end of 2014)**

### ***Solar Photovoltaic systems:***

Data being provided illustrates the uptake of Photovoltaic systems in the Maltese Islands and as compared to the total PV capacity being installed.

“Connected” would mean that the PV system has been installed and connected to the national grid through a PV meter.

“Registered” would mean that a PV system has been notified or applied for at the Malta Resources Authority, but not necessarily completed and connected to the grid. Hence the difference of capacity between “Registered” and “Connected” would signify that such capacity is still being constructed and hence has not yet been 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 Registered applications may also be withdrawn by the applicant.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**

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

**Table 2 Data as at end of 2011**

Cumulative as at end of 2011	Connected by sector	Registered by sector ( $\Delta$ = 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	2,187	25
Residential	3,313	10,000	1,846
Institutional Households	18	24	3
Public	152	424	37
Other	-	-	-
<b>Total</b>	<b>5,318</b>	<b>16,606</b>	<b>1,979</b>

**Table 3 Data as at end of 2012**

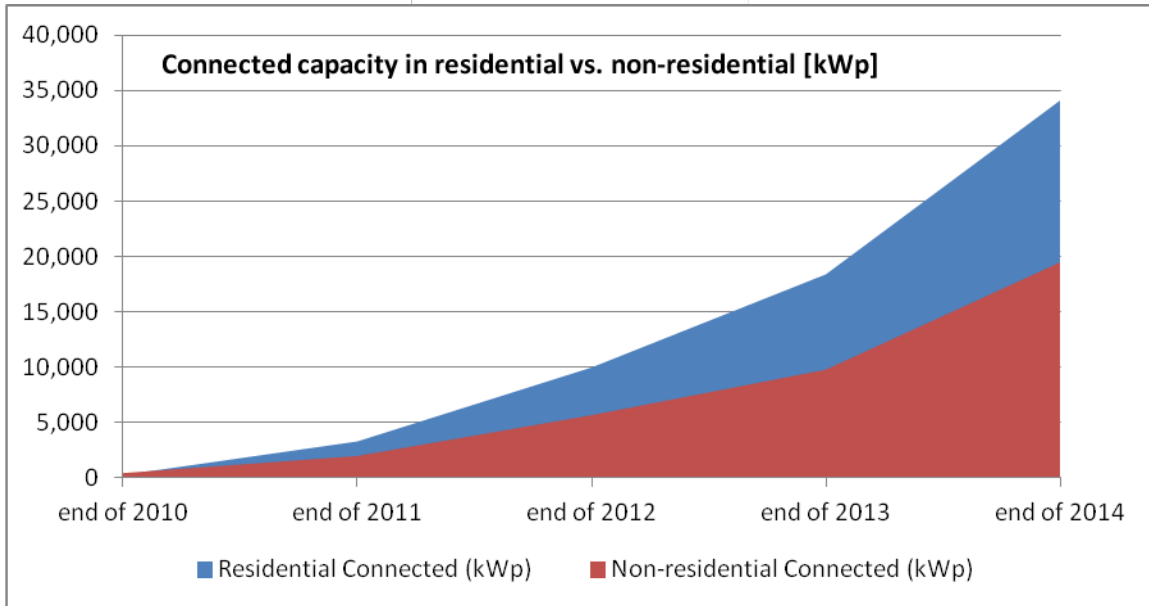
Cumulative as at end of 2012	Connected by sector	Registered by sector ( $\Delta$ = in progress)	Number of systems connected by sector
	<i>Capacity kWp</i>	<i>Capacity kWp</i>	<i>Qty</i>
Commercial	3,533	6,360	162
Industrial	1,786	2,676	54
Residential	9,984	10,776	5,078
Institutional Households	74	128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

**Table 4 Data as at end of 2013**

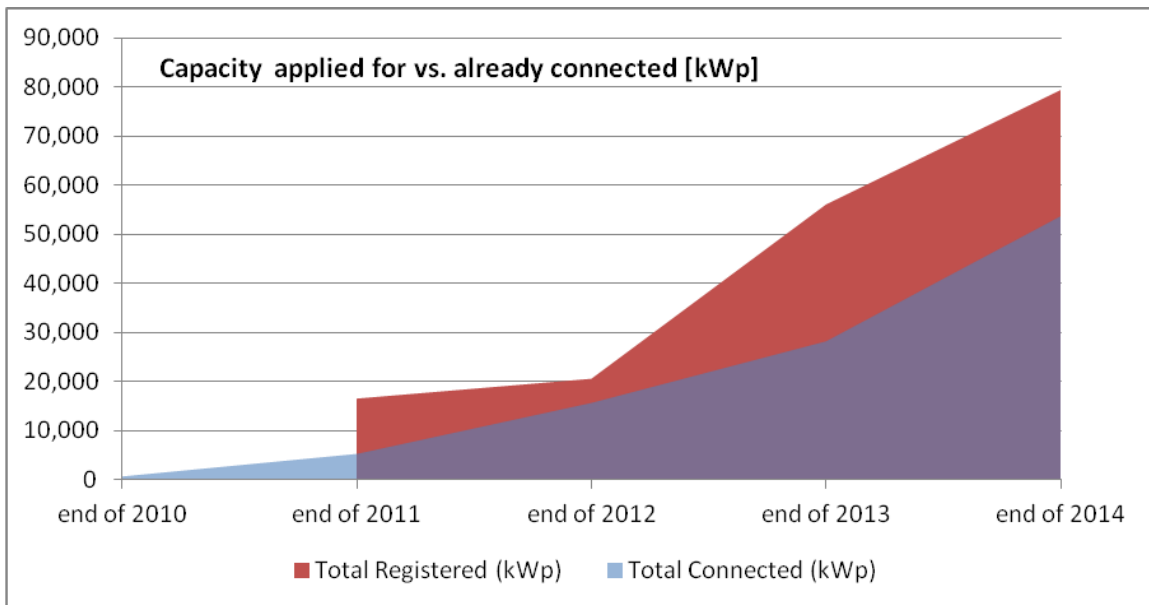
<b>Cumulative as at end of 2013</b>	<b>Connected by sector</b>	<b>Registered by sector (<math>\Delta</math> = in progress)</b>	<b>Number of systems connected by sector</b>
	<i>Capacity kWp</i>	<i>Capacity kWp</i>	<i>Qty</i>
Commercial	6,107	10,445	281
Industrial	2,871	11,282	73
Residential	18,379	28,193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

**Table 5 Data as at end of 2014**

<b>Cumulative as at end of 2014</b>	<b>Connected by sector</b>	<b>Registered by sector (<math>\Delta</math> = in progress)</b>	<b>Number of systems connected by sector</b>
	<i>Capacity kWp</i>	<i>Capacity kWp</i>	<i>Qty</i>
Commercial	7,446	14,737	357
Industrial	10,326	17,804	102
Residential	34,060	38,743	14,461
Institutional Households	694	1,023	62
Public	1,011	7,119	104
Other	-	-	-
<b>Total</b>	<b>53,538</b>	<b>79,425</b>	<b>15,086</b>



**Figure 1 Trend in Residential capacity vs. Non-Residential capacity**



**Figure 2 Total capacity installed and connected vs. total intended capacity to be connected**

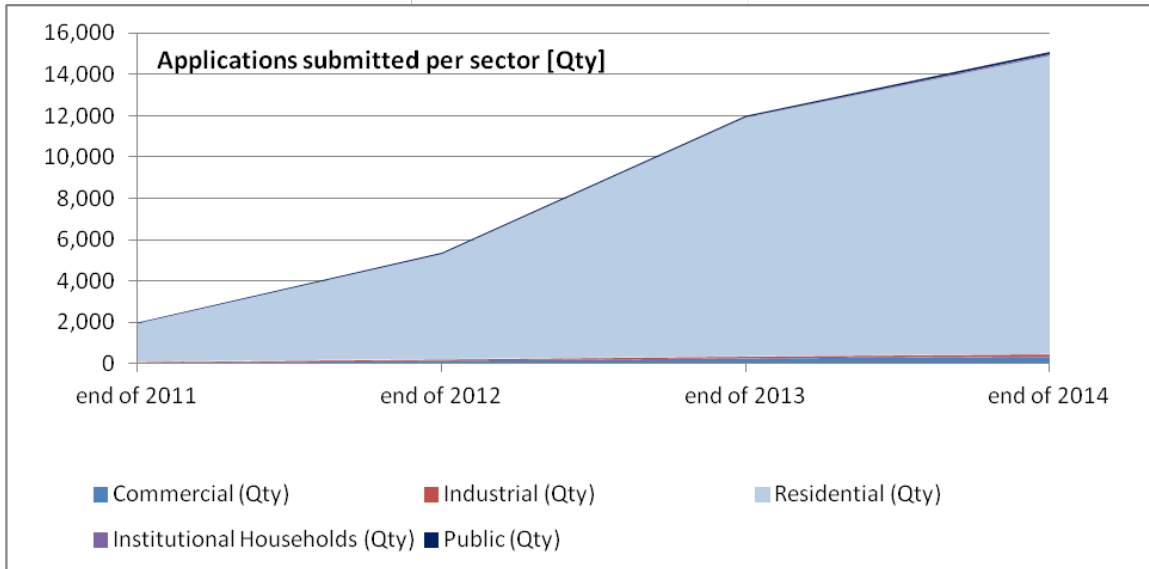


Figure 3 - No of applications trend by sector

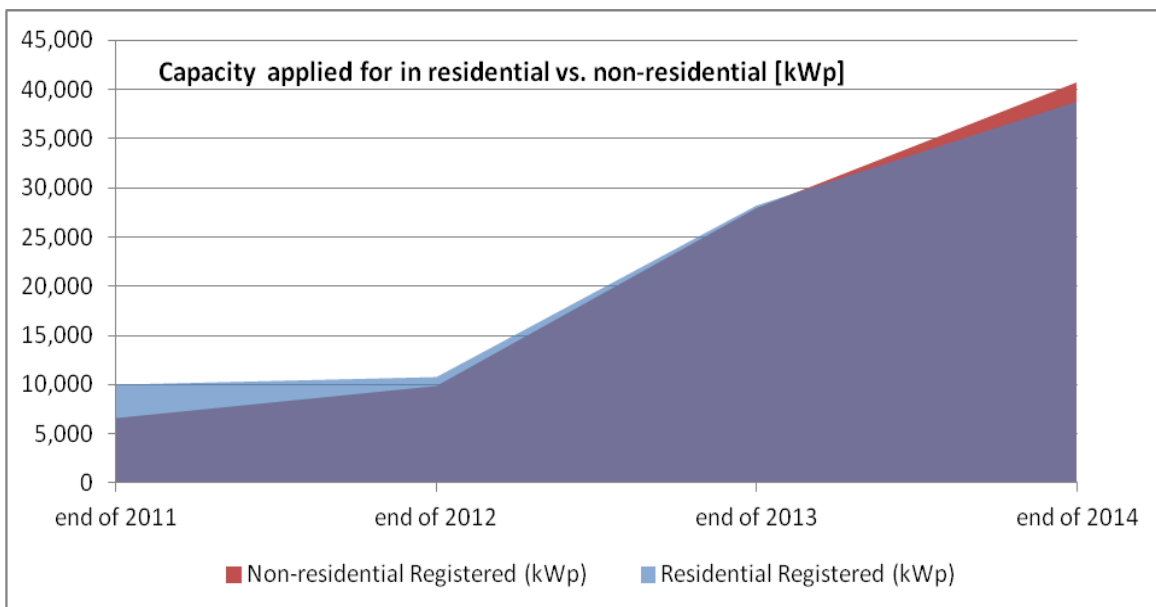


Figure 4 Total capacity installed and connected vs. total intended capacity to be connected in the Residential sector

### Solar Water Heaters

The data being provided by the Malta Resources Authority is related only to Solar Water Heaters which have benefitted from a grant within the Malta Resources Authority. It is not excluded that other Solar Water Heaters may have been installed in the residential sector without applying for a grant, and it is not excluded that other solar thermal systems may have been installed on non-residential buildings provided or not a grant from other funding organizations. For a nationwide statistical indication of solar water heaters

installations, it is recommended that such information is sought from the National Statistics Office.

**Table 6 - Trend in SWH benefiting from MRA grants**

<b>Solar Water Heaters – MRA residential grant schemes</b>	
<b>Year</b>	<b>Qty</b>
2006	2536
2009	2966
2010	533
2011	2635