

RAPPRESENTANZA PERMANENTI
GHALL-UNJONI EWROPEA



PERMANENT REPRESENTATION
TO THE EUROPEAN UNION

MALTA

Ir-Rappreżentant Permanenti

The Permanent Representative

Mr Philip Lowe
Director-General
Directorate-General for Energy
European Commission
B-1049 Brussels

7 September 2011

Dear Philip

SRD/		DG: <i>E</i>		
A/				
ACTION:		ÉCHÉANCE:		
CODE DOSSIER:				
051011				
A	<i>B</i>	C	D	E
DG	<i>AGS</i>	001	01	SIAC
DGA	DGA	DGA		
DBC	DDE	DDE		

PR 892/11

Notification of Investment Projects in Energy Infrastructure within the European Union

Attached please find Malta's Report and Spreadsheets on the evaluation of the progress of high-efficiency cogeneration in accordance with Articles 6(3) and 10 (2) of Directive 2004/8/EC of the European Parliament and of the Council of 11 February 2004 on the promotion of cogeneration based on a useful heat demand in the internal energy market and amending Directive 92/42/EEC.

Yours Sincerely

Richard Cachia Cartana
Ambassador
Permanent Representative

Enclosures: Malta's Replies on the European Commission Template concerning the Report in accordance with Articles 6(3) and 10(2) of Directive 2004/8/EC of the European Parliament and of the Council on the Promotion of Cogeneration based on a useful heat demand in the Internal Energy Market and amending Directive 92/42/EC

Spreadsheets providing specific data to support the evaluation of the progress towards increasing the share of high-efficiency cogeneration in accordance with Article 6(3) and Article 10 (2) of Directive 2004/8/EC of the European Parliament and of the Council on the promotion of cogeneration based on a useful heat demand in the internal market

Copy: Permanent Secretary, Ministry for Resources and Rural Affairs

Malta's Replies with regard to the Report in accordance with Articles 6(3) and 10(2) of Directive 2004/8/EC of the European Parliament and of the Council on the Promotion of Cogeneration based on a useful heat demand in the Internal Energy Market and amending Directive 92/42/EC

1 Transposition / implementation of the legal text of Directive 2004/8/EC

Q1 What is the level of transposition of the Directive in your country? What is the timeline for the remaining parts of the remaining parts of the transposition, if any?

Directive 8/2004/EC and Decision 2007/74/EC were transposed into Maltese Legislation through the Cogeneration Regulations (LN 2/07), as amended by (LN196/08)¹.

Q2 What is the timeline for implementing measures based on the Commission Decision of 19.11.2008 establishing detailed guidelines? Please indicate how this has taken place (revision of general energy law, a specific law, decree, regulation...)

The provisions of the Annex to the Decision of 19.11.2008 are already drafted to be included in a separate schedule to the main Regulations.

Q3 To what extent do you consider your country to have already significantly implemented the Directive?

During the past year, the Malta Resources Authority received the application for authorisation for 6 small scale cogeneration units, all using diesel engines, for trigeneration units in the industrial / commercial sector. The Authority is still in discussion with the applicants.

These applications / projects mentioned are still at an early stage; however, a project at a waste treatment plant using the biogas generated in a cogeneration unit is at an advanced stage. The application is for two units with a total capacity less than 2MW_e.

The obligations emerging from the Directive can be considered as being implemented; however, this market is in development and further progress can be achieved especially with further installations of co-generation units.

Q4 Is your country using the alternative calculations method according to Article 12(2)?

Regulation 11 of the above-mentioned Regulations was included so that up to 2010, the Malta Resources Authority would have the opportunity to calculate primary energy savings from a production of heat and electricity and mechanical energy according to paragraph (c) of the Third Schedule without using the Second Schedule to exclude the non-cogenerated heat and electricity parts

¹ <http://www.justiceservices.gov.mt/DownloadDocument.aspx?app=lom&itemid=10690>

of the same process. However, this regulation was never applied. In the upcoming amendments to the Regulations, regulation 11 will be removed and only the Annexes arising from Directive 8/2004/EC and Decision 2007/74/EC will be effective.

Q5 Is there any need for your country to review in accordance with Article 13 the threshold values used for calculation of electricity from cogeneration and/or the threshold values used for calculation of efficiency of cogeneration production and primary energy savings?

No.

2 National Potential to increase the share of high-efficiency cogeneration

Q6 Can your country already show progress in high-efficiency cogeneration since the last report on national potential which can be ascribed to either EU or national legislation and support schemes?

Yes, although the sites are still at a testing stage.

Q7 What is your evaluation of the progress towards increasing the share of high-efficiency cogeneration in your country? Your assessment should be based on the specific figures to be included in the attached spreadsheet (Excel file) designed to facilitate the submission of your data?

The sites mentioned are still at a testing phase and hence will not be shown in the attached spreadsheet.

3 Barriers to high-efficiency cogeneration

Q8 Please give your views on the current barriers to high-efficiency cogeneration in your country:

- *barriers in relation to administrative procedures (authorization, coordination among competent authorities, streamlined simplified procedures, etc);*
- *barriers in relation to electricity grid system and tariff issues (including specific measures for small scale and micro cogeneration units);*
- *other barriers (internalisation of external costs, energy prices, financial & technical barriers, etc) in accordance with Articles 9 and 6 of the cogeneration Directive 2004/8/EC.*

Indicate the measures to overcome them.

With regard to barriers in relation to administrative procedures:

Administrative barriers were reduced to the minimum, however, certain administrative procedures have to be observed. In order to facilitate the installation and possible connection of small or micro combined heat and power (CHP) units to the electricity grid, the Electricity Market Regulations, (LN166/2011²) exempt producers of electricity from cogeneration plants with a total peak generation capacity of less or equal to 16Amps per phase from the requirement to obtain an authorisation prior to construction and to hold a licence issued by the Malta Resources Authority (MRA). However, such generators are still required to notify the Malta Resources Authority and submit such information as the Authority may request from time to time. Larger CHP installations require full authorization / licences from the MRA.

The application form for authorisation to construct a new generation plant, including CHP, is available on the MRA website³. Granting of authorisation is done following the criteria listed in the

² <http://www.doi.gov.mt/EN/legalnotices/2011/05/LN%20166.pdf>

³ <http://www.mra.org.mt/>

Electricity Market Regulations (LN166/2011) Third Schedule. Criteria for the award of authorisations require that due regard is given to efficient use and conservation of energy and the nature of the primary source of energy to be used in the generation station.

The proposer of a co-generation unit has to liaise also with the Malta Environment and Planning Authority with regard to 'land and environmental' development permit requirements for the installation of a co-generation unit and its auxiliaries. The permitting procedure including timelines is regulated by the Development Planning Act (Cap. 356)⁴ which also provides for co-ordination between administrative bodies.

With regard to barriers in relation to electricity grid system and tariff issues:

Regulation of the sector also requires that the Distribution System Operator (DSO) assesses the impact of the new installation on the grid and ascertains that the existing electricity connection to the grid is suitable. The CHP applicant is required to make a Power Purchase Agreement with Enemalta, the sole supplier of electricity to final consumers in Malta. At the end of this procedure, given that there are no pending objections from other competent authorities, the proposer is issued an authorisation to construct by the Malta Resources Authority. On completion of the installation the proposer has to inform the Authority in order to be issued the necessary licenses. There are two types of licenses: one to produce for own use, and the other to produce and sell to Enemalta. Malta has recently set up a 'feed in tariff' system for photo-voltaic (PV) units connected to the grid. A similar incentive for co-generation units is under consideration.

With regard to other barriers:

Other barriers to the installation of CHP units could be: (i) the lack of informed knowledge on the technology, (ii) the limited 'heat' requirements of Malta due to its geographical location; (iii) the lack of interest and promotion from the companies producing such units due to the limited market on the Islands, (iv) the lack of a natural gas grid which could provide micro co-generation units a further prospect, (v) the appreciable installation of PV units on the premises of the industrial and commercial sector coupled with the use of LPG boilers which could present a more attractive alternative for their energy use to interested parties (vi) limited awareness of the possible benefits (vii) lack of internalisation of external cost in electricity and fuel prices

With regard to the measures to overcome them:

Though the report on feasibility of co-generation did offer interested parties a first source of information on the subject, the Malta Resources Authority should spread more information on the subject, especially taking into consideration the changes in prices of products due to the liberalisation of the liquefied petroleum gas (LPG) market and new technical opportunities for cooling by CHP units.

4 Guarantees of origin and support schemes

Q9 Article 5 of the Directive requires Member States to ensure that accurate and reliable guarantees of origin are issued according to objective, transparent and non-discriminatory criteria. Please indicate what is the situation concerning the implementation of this measure in your country (information on primary energy savings, type of registration system)?

The regulation establishing 'guarantees of origin' came into force by means of the Guarantees of Origin of Electricity from High Efficiency Cogeneration and Electricity, Heating and/or Cooling from Renewable Energy Sources Regulations (LN 92/10 as amended by LN 126/11)⁵ and was amended to

⁴ <http://www.mjha.gov.mt/DownloadDocument.aspx?app=lom&itemid=8826>

⁵ <http://www.justiceservices.gov.mt/DownloadDocument.aspx?app=lom&itemid=10701>

include references to 'guarantees of origin' from the Renewables Directive (Directive 2009/28/EC⁶ of the European Parliament and of the Council of 23 April 2009 on the promotion of use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC.

To date, no 'guarantees of origin' certificates have as yet been issued.

Q10 Does your country have support schemes for cogeneration/CHP based on Directive 2004/8/EC (operational and/or investment aid)? What kind of support is provided (feed-in tariffs, certificates and quota, priority access to the grid...)? Are they designed to provide stable long-term investment conditions? Which sectors will be targeted (agricultural and/or industrial and/or heating cogeneration)?

The potential for cogeneration in Malta is very limited, especially in the domestic sector. Notwithstanding this, in 2009 and 2010, the Government of Malta made available €15 million through the European Regional Development Fund (ERDF) for the industrial sector to take steps to become more efficient in the use of energy. Although there was a lot of interest in these funds, only one proposal was related to cogeneration but unfortunately it never came to light. As a consequence, until today, support schemes mainly addressed the installation of solar photovoltaics and solar thermal units.

Q11 How much money on a yearly basis has been provided in this way in the past years to the promotion of high-efficiency cogeneration in particular? And how much money is expected to be made available on a yearly basis to the promotion of high-efficiency cogeneration in the coming years?

Kindly vide reply to Question 10.

⁶ <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2009:140:0016:0062;en:PDF>

Sheet 1 Overview				CHP electricity ¹ generation, capacity, fuel input	Main activity producers generation, capacity, fuel input	Auto-producers generation, capacity, fuel input	Share of CHP in total electricity generation	CHP Heat production	Main activity producers	Auto- producers (Heat Only) ⁴	Share of CHP in total heat production	Newly constructed CHP ¹	Modernisation of existing CHP ¹	Total installations (CHP & non- CHP) ³	PES ²	Avoided CO2 emissions
2000	electricity	capacity output	[GW] [TWh]	nil nil	0.571 1.914	nil nil	nil							1.914		
	heat	capacity output	[GW] [TWh]					nil nil	nil nil	not available not available	nil nil			not available not available		
	fuel	total	[PJ]	nil	22.516	nil	nil	nil	nil	1.474	nil			23.990		
		natural gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		hard coal	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		lignite	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		renewables	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		oil & oil products	[PJ]	nil	22.516	nil	nil	nil	nil	1.474	nil			23.990		
		biomass	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		biogas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		waste	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		incineration	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		landfill gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		other fuels	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
2004	electricity	capacity output	[GW] [TWh]	nil nil	0.571 2.216	nil nil	nil							0.56 2.216		
	heat	capacity output	[GW] [TWh]					nil nil	nil nil	not available not available	nil nil			not available not available		
	fuel	total	[PJ]	nil	27.472	nil	nil	nil	nil	0.958	nil			28.428		
		natural gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		hard coal	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		lignite	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		renewables	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		oil & oil products	[PJ]	nil	27.472	nil	nil	nil	nil	0.956	nil			28.428		
		biomass	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		biogas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		waste	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		incineration	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		landfill gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		other fuels	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
2006	electricity	capacity output	[GW] [TWh]	nil nil	0.571 2.263	nil nil	nil							0.571 2.263		
	heat	capacity output	[GW] [TWh]					nil nil	nil nil	not available not available	nil nil			not available not available		
	fuel	total	[PJ]	nil	26.241	nil	nil	nil	nil	1.303	nil			27.544		
		natural gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		hard coal	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		lignite	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		renewables	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		oil & oil products	[PJ]	nil	26.241	nil	nil	nil	nil	1.303	nil			27.544		
		biomass	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		biogas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		waste	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		incineration	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		landfill gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		other fuels	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
2006	electricity	capacity output	[GW] [TWh]	nil nil	0.571 2.261	nil nil	nil							0.571 2.261		
	heat	capacity output	[GW] [TWh]					nil nil	nil nil	not available not available	nil nil			not available not available		
	fuel	total	[PJ]	nil	25.704	nil	nil	nil	nil	1.220	nil			26.924		
		natural gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		hard coal	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		lignite	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		renewables	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		oil & oil products	[PJ]	nil	25.704	nil	nil	nil	nil	1.200	nil			26.904		
		biomass	[PJ]	nil	nil	nil	nil	nil	nil	0.020	nil			0.020		
		biogas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		waste	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		incineration	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		landfill gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		
		other fuels	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil		

2007	electricity	capacity output	[GW] [TWh]	nil nil	0.571 2.286	nil nil	nil							0.571 2.286	
	heat	capacity output	[GW] [TWh]					nil nil	nil nil	not available not available	nil nil			not available not available	
	fuel	total	[PJ]	nil	26.313	nil	nil	nil	nil	1.316	nil			27.629	
		natural gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		hard coal	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		lignite	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		renewables	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		oil & oil products	[PJ]	nil	26.313	nil	nil	nil	nil	1.310	nil			27.623	
		biomass	[PJ]	nil	nil	nil	nil	nil	nil	0.007	nil			nil	
		biogas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		waste	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		incineration	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		landfill gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		other fuels	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
2008	electricity	capacity output	[GW] [TWh]	nil nil	0.571 2.312	nil nil	nil							0.571 2.312	
	heat	capacity output	[GW] [TWh]			nil nil	nil nil	nil nil	nil nil	not available not available	nil nil			not available not available	
	fuel	total	[PJ]	nil	25.859	nil	nil	nil	nil	1.559	nil			27.418	
		natural gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		hard coal	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		lignite	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		renewables	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		oil & oil products	[PJ]	nil	25.859	nil	nil	nil	nil	1.548	nil			27.407	
		biomass	[PJ]	nil	nil	nil	nil	nil	nil	0.012	nil			0.012	
		biogas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		waste	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		incineration	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		landfill gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		other fuels	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
2009	electricity	capacity output	[GW] [TWh]	nil nil	0.571 2.167	nil nil	nil							0.571 2.167	
	heat	capacity output	[GW] [TWh]					nil nil	nil nil	not available not available	nil nil			not available not available	
	fuel	total	[PJ]	nil	24.3	nil	nil	nil	nil	0.972	nil			25.272	
		natural gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		hard coal	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		lignite	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		renewables	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		oil & oil products	[PJ]	nil	24.3	nil	nil	nil	nil	0.968	nil			25.268	
		biomass	[PJ]	nil	nil	nil	nil	nil	nil	0.004	nil			0.004	
		biogas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		waste	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		incineration	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		landfill gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		other fuels	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
2010	electricity	capacity output	[GW] [TWh]	nil nil	0.571 2.113	nil nil	nil							0.571 2.113	
	heat	capacity output	[GW] [TWh]					nil nil	nil nil	not available not available	nil nil			not available not available	
	fuel	total	[PJ]	nil	24.242	nil	nil	nil	nil	0.946	nil			25.188	
		natural gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		hard coal	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		lignite	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		renewables	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		oil & oil products	[PJ]	nil	24.242	nil	nil	nil	nil	0.943	nil			25.185	
		biomass	[PJ]	nil	nil	nil	nil	nil	nil	0.003	nil			0.003	
		biogas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		waste	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		incineration	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		landfill gas	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	
		other fuels	[PJ]	nil	nil	nil	nil	nil	nil	nil	nil			nil	

¹ only regarding high efficiency CHP according to Art3 and Annex III of Directive 2004/8/EC

² All kinds of electricity and heat producing units

³ compared to separate production of electricity and heat

⁴ Data in this column for years 2000 to 2007 refers to financial year, i.e. for example for year 2000 - October 1999 to September 2000. Year 2008 covers a 15 month period between October 2007 till December 2008.

Paġina 1 Marsa Ġenerali				Ġenerazzjoni tal-elettriku ¹ minn shana u enerġija kombinati (CHP), kapaċità, konsum ta' fjuwil	Ġenerazzjoni mill-produtturi tal-attività ewenija, kapaċità, konsum ta' fjuwil	Ġenerazzjoni mill-awtoprodutturi, kapaċità, konsum ta' fjuwil	Sehem tas-CHP fil-ġenerazzjoni totali tal-elettriku	Produtturi tas-shana mis-CHP	Produtturi tal-attività ewenija	Awtoprodutturi (shana biss) ⁴	Sehem tas-CHP fil-produtturi totali tas-shana	Stallazzjonijiet tas-CHP ⁵ għodda ¹	Modernizzar ta' stallazzjonijiet tas-CHP ¹ azzistenti	Stallazzjonijiet totali (CHP u mhux CHP) ²	Iffrankar ta' enerġija primarja (PES) ³	Emissjonijiet tas-CO ₂ evitati
2000	elettriku	kapaċità produzzjoni	[GW]	xejn	xejn	xejn	xejn							1.914	mhux applikabili minhabba l-ebda installazzjoni ta' CHP Units	
		shana	[TWh]	xejn	1.914	xejn	xejn							mhux disponibbli		
	fjuwil	total	[PJ]	xejn	22.516	xejn	xejn	xejn	xejn	mhux disponibbli	xejn			mhux disponibbli		
		gass naturali	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	mhux disponibbli	xejn			mhux disponibbli		
		faham Amerikan	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			23.980		
		linjite	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		rinnovabbli	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		żejt u prodotti taż-żejt	[PJ]	xejn	22.516	xejn	xejn	xejn	xejn	1.474	xejn			23.980		
		bijomassa	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		biogass	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		incinerazzjoni tal-iskart	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		gass mill-mizbla	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		fjuwils oħrajn	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
2004	elettriku	kapaċità produzzjoni	[GW]	xejn	0.56	xejn	xejn							0.56	mhux applikabili minhabba l-ebda installazzjoni ta' CHP Units	
		shana	[TWh]	xejn	2.216	xejn	xejn							2.216		
	fjuwil	total	[PJ]	xejn	27.472	xejn	xejn	xejn	xejn	mhux disponibbli	xejn			mhux disponibbli		
		gass naturali	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	mhux disponibbli	xejn			mhux disponibbli		
		faham Amerikan	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	0.956	xejn			26.428		
		linjite	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		rinnovabbli	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		żejt u prodotti taż-żejt	[PJ]	xejn	27.472	xejn	xejn	xejn	xejn	0.956	xejn			28.428		
		bijomassa	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		biogass	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		incinerazzjoni tal-iskart	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		gass mill-mizbla	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		fjuwils oħrajn	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
2005	elettriku	kapaċità produzzjoni	[GW]	xejn	0.571	xejn	xejn							0.571	Not applicable due to no installed CHP units	
		shana	[TWh]	xejn	2.283	xejn	xejn							2.283		
	fjuwil	total	[PJ]	xejn	26.241	xejn	xejn	xejn	xejn	mhux disponibbli	xejn			mhux disponibbli		
		gass naturali	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	mhux disponibbli	xejn			mhux disponibbli		
		faham Amerikan	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	1.303	xejn			27.544		
		linjite	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		rinnovabbli	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		żejt u prodotti taż-żejt	[PJ]	xejn	26.241	xejn	xejn	xejn	xejn	1.303	xejn			27.544		
		bijomassa	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		biogass	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		incinerazzjoni tal-iskart	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		gass mill-mizbla	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		
		fjuwils oħrajn	[PJ]	xejn	xejn	xejn	xejn	xejn	xejn	xejn	xejn			nil		

[illegible]

2010	elettriku	kapaċità produzzjoni	[GW]	nil	0.571	xejn	xejn							0.571	mhux applikabili minhabba l- ebda installazzjoni ta' CHP Units
	shana	kapaċità produzzjoni	[GW]	nil	2.113	xejn	xejn							2.113	
							xejn	xejn	mhux disponibbli		xejn		mhux disponibbli		
							xejn	xejn	mhux disponibbli		xejn		mhux disponibbli		
		total	[PJ]	nil	24.242	xejn	xejn	xejn	xejn	0.946		xejn		25.188	
		gass naturali	[PJ]	nil	xejn	xejn	xejn	xejn	xejn	xejn		xejn		xejn	
		faham Amerikan	[PJ]	nil	xejn	xejn	xejn	xejn	xejn	xejn		xejn		xejn	
		linjite		nil	xejn	xejn	xejn	xejn	xejn	xejn		xejn		xejn	
		rinnovabbli	[PJ]	nil	xejn	xejn	xejn	xejn	xejn	xejn		xejn		xejn	
		żejt u prodotti taż-żejt	[PJ]	nil	24.242	xejn	xejn	xejn	xejn	0.943		xejn		25.185	
		bijomassa	[PJ]	nil	xejn	xejn	xejn	xejn	xejn	0.003		xejn		0.003	
		bijogass	[PJ]	nil	xejn	xejn	xejn	xejn	xejn	xejn		xejn		xejn	
		indinerazzjoni tal-iskart	[PJ]	nil	xejn	xejn	xejn	xejn	xejn	xejn		xejn		xejn	
		gass mill- mizzbla	[PJ]	nil	xejn	xejn	xejn	xejn	xejn	xejn		xejn		xejn	
		fjuwils oħrajn	[PJ]	nil	xejn	xejn	xejn	xejn	xejn	xejn		xejn		xejn	

ingwardu CHP b'effiċjenza għolja biss skont l-

Art 3 u l-Anness III tad-Direttiva 2004/8/KE

² Kull tip ta' unità li tipproduċi elettriku u shana

³ Imqabbbla ma' produzzjoni separata ta' elettriku u shana

⁴ Informazzjoni f'din il-kolonna għas-snin 2000 sa 2007 hi ta' s-snin finanzjarji, eż. għas-sena 2000, bejn Ottubru 1999 u Settembru 2000. Is- sena 2008 tkopri perijodu ta' tmistax il-xahar bejn Ottubru 2007 sa Ditembru 2008.