



REPUBLIC OF CYPRUS



MINISTRY OF COMMERCE INDUSTRY AND TOURISM

**FORECAST DOCUMENT INDICATING CYPRUS ESTIMATED PRODUCTION OF
ENERGY FROM RENEWABLE SOURCES
IN COMPLIANCE WITH ARTICLE 4 OF DIRECTIVE 2009/28/EC
DECEMBER 2009**

1. INTRODUCTION

Article 4 of Directive **2009/28/EC** of the European Parliament and of the Council of 23rd April 2009, on the promotion of the use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC, requires all Member States, to publish and notify a forecast document indicating:

- a) Its estimated excess production of energy from renewable sources compared to the indicative trajectory which could be transferred to other Member States in accordance with Articles 6 to 11, as well as its estimated potential for joint projects, until 2020; and
- b) Its estimated demand for energy from renewable sources to be satisfied by means other than domestic production until 2020.

The forecast shall be updated in the reports of the Member States that shall be submitted to the Commission on progress in the promotion and use of energy from renewable sources by 31 December 2011, and every two years thereafter.

2. BACKGROUND

Cyprus has a small and isolated energy system without any gas, oil or electricity interconnections with other countries. This fact makes it difficult for Cyprus to use flexibility measures as Statistical transfers.

The Cyprus Government aims to achieve the mandatory targets for renewable energy shares (13% for CY), including 10% renewable share in transport in 2020 using only domestic production.

3. RES POLICY

The Cyprus Government energy policy has the following main objectives:

- Compliance with the relevant European Directives
- Securing energy supply
- Meeting energy demand
- Energy conservation and promotion of renewable energy sources
- Minimization of the negative impact of energy consumption on the environment.

In order to promote the uptake of RES, the Cyprus government adopted a framework for support measures which included the first Action Plan, 2002-2010 and the first Support Scheme 2004-2010 for the Promotion of Renewable Energy Sources. Based on the experience gained during the first years of operation of the Action Plan and due to the fact that in recent years the maximum power demand has increased by almost 6% per year and that the electricity from RES was less than 1% of the national electricity consumption by 2008, the government of Cyprus decided to formulate a new Action Plan and Support Scheme which includes large scale RES projects for electricity generation for the period 2009-2013 with the possibility of implementing the projects by 2015. The Action Plan also includes strategies to eliminate administrative obstacles.

The great public interest for investments in all sectors as well as the amount given as a governmental subsidy, reflect the efficiency of measures and policies implemented by Support Schemes. Since the beginning of the Support Schemes in 2004 until early December 2009, more than 48,500 applications were submitted.

Out of the total amount of 49.6 million euro which was given out as a subsidy until December 8th 2009, 17.4 million euro was given in 2009.

The Energy Service is preparing a new framework for support measures which will include the new Action Plan covering the period 2010-2020. This framework will come into force in June 2010.

The Cyprus Government is confident that the policy of the Republic of Cyprus for the promotion of renewable energy includes all the necessary measures and incentives, and will certainly lead us towards achieving the targets of 13% share of energy from renewable sources in the final consumption of energy in 2020 and 10% share of energy from renewable sources in all forms of transport in 2020.

The tables below show our estimated production of energy from renewable sources compared to the indicative trajectory.

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Calculation table for the renewable energy contribution of each sector to final energy consumption (toe)

Year	A) Expected gross final consumption of RES for heating and cooling	B) Expected gross final consumption of Electricity from RES	C) Expected final consumption of Energy from RES in transport	D) Expected total RES consumption	E) Expected transfer of RES to other Member States	F) Expected transfer of RES from other Member States and 3rd countries	G) Expected RES consumption adjusted for target (D) -(E) + (F)
2005	30960	73	5719	35147	0	0	35147
2010	61393	23065	7232	130153	0	0	130153
2011	64230	35831	7596	160351	0	0	160351
2012	67154	38846	7977	170351	0	0	170351
2013	70249	52359	8379	191041	0	0	191041
2014	73517	55510	8800	201561	0	0	201561
2015	76870	66202	9242	219729	0	0	219729
2016	80482	70531	9707	231814	0	0	231814
2017	84179	84127	10195	253276	0	0	253276
2018	88048	85001	10708	262211	0	0	262211
2019	92089	85876	11246	271346	0	0	271346
2020	96389	86777	11812	280791	0	0	280791