

30th Annual Assembly of the CPMR Islands Commission
AZORES (Ponta Delgada) - 20 & 21 May 2010

Energy policy in the Azores

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Main Concerns:

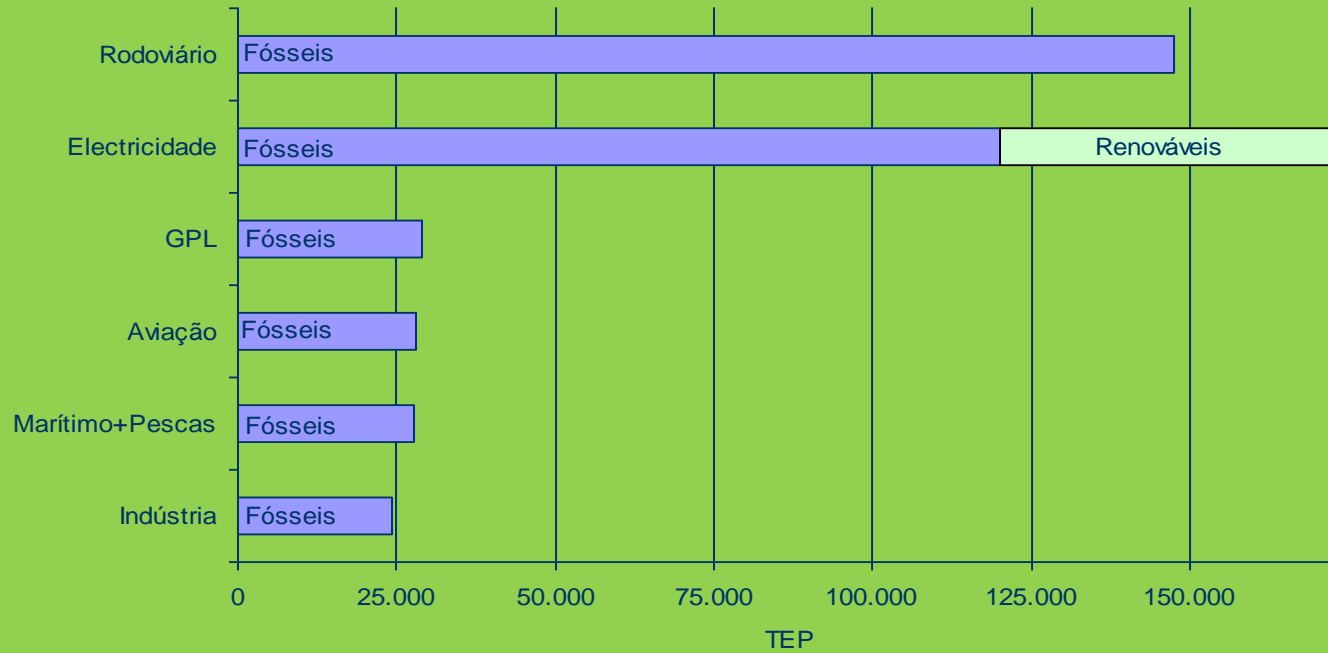
- Climate change
- Reduce oil dependence (price fluctuations,...)

Strategy:

- More renewables
- Higher efficiency



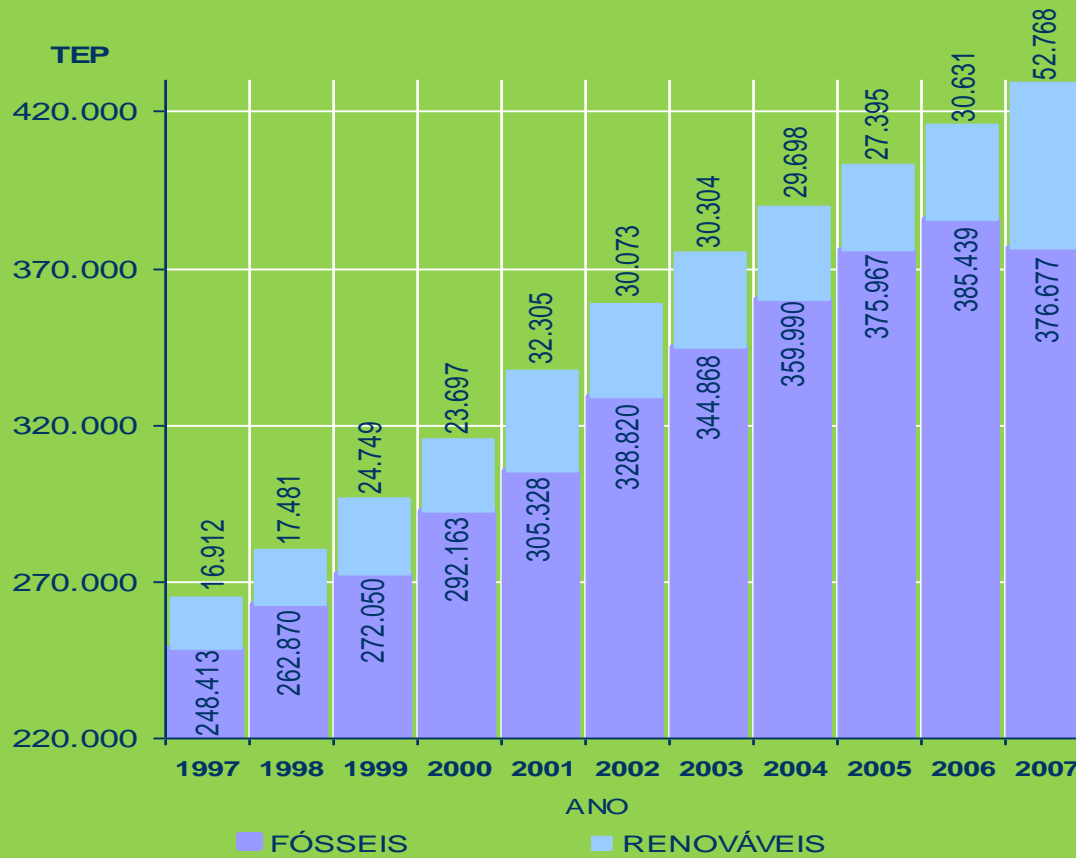
Azores - Primary Energy Consumption



87% of the primary energy comes from oil and is mostly used in vehicles and electricity generation.



Azores: Primary Energy 1997-2007



Primary Energy (TEP)				GDP	CPI	GDPp1997	Dep	Energy Int
Year	Renewable	Non Renewable	Total					
1997	16912	248413	265325	1785	100	1785	93,6	148,6
1998	17481	262870	280351	1955	103,2	1894	93,8	148,0
1999	24749	272050	296799	2155	105,9	2035	91,7	145,8
2000	23697	292163	315860	2274	108,0	2106	92,5	150,0
2001	32305	305328	337633	2488	111,2	2237	90,4	151,0
2002	30073	328820	358893	2666	115,6	2307	91,6	155,6
2003	30034	344868	374902	2785	119,4	2333	92,0	160,7
2004	29698	359990	389688	2887	122,6	2354	92,4	165,5
2005	27395	375967	403362	3018	125,7	2401	93,2	168,0
2006	30631	385439	416070	3199	130,2	2457	92,6	169,4
2007	52768	376677	429445	3343	134,8	2481	87,7	173,1

Growth Rate (97-2007)%

61,86

38,97

Yearly Growth Rate %

4,93

3,35



Electricity production by source (%)

- 26-28% from renewable sources
- Renewable energy is quite high in Flores and S. Miguel (sometimes nealy 50%).



Geothermal Energy

In 2009 the production of electricity from the two geothermal plants equalled 161 GWh representing 36,5% of the total electricity produced in S. Miguel Island and 19,5% of the total electricity produced in the Azores.



CO2 emissions

- 3% of Portugal's emissions;
- CO2 emissions grew 59% between 1990 and 2004);
- Main source: oil;
- Main polluting activities: transportation and electricity generation.



Some Goals (2018):

- Rise the share of renewables in electricity production to 75%
- Rise the share renewables in total primary energy consumption to 40%
- Promote energy efficiency

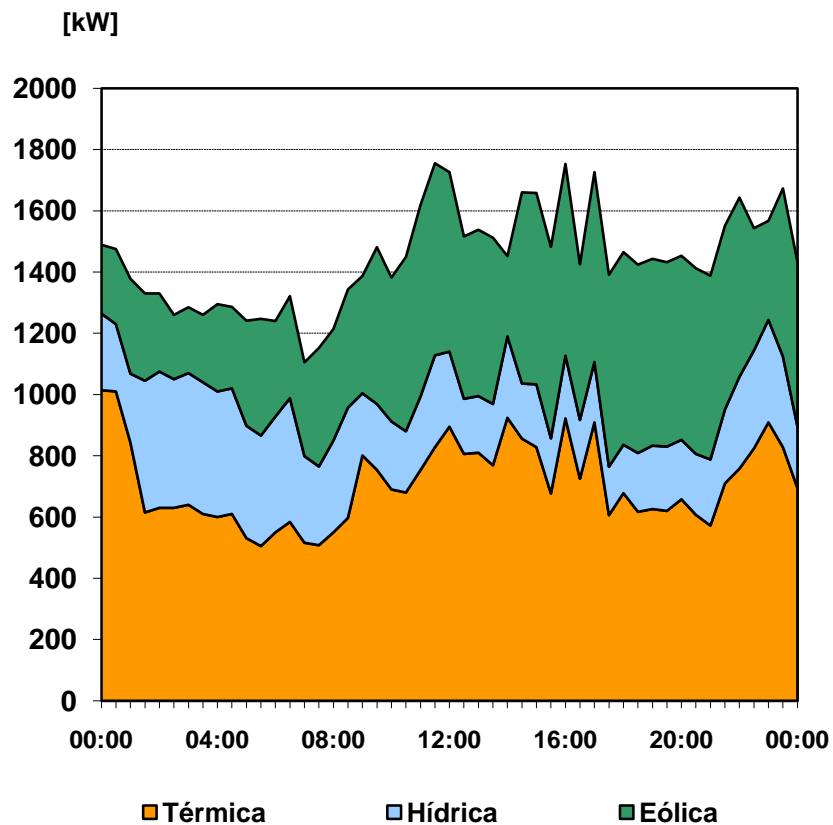


Tools:

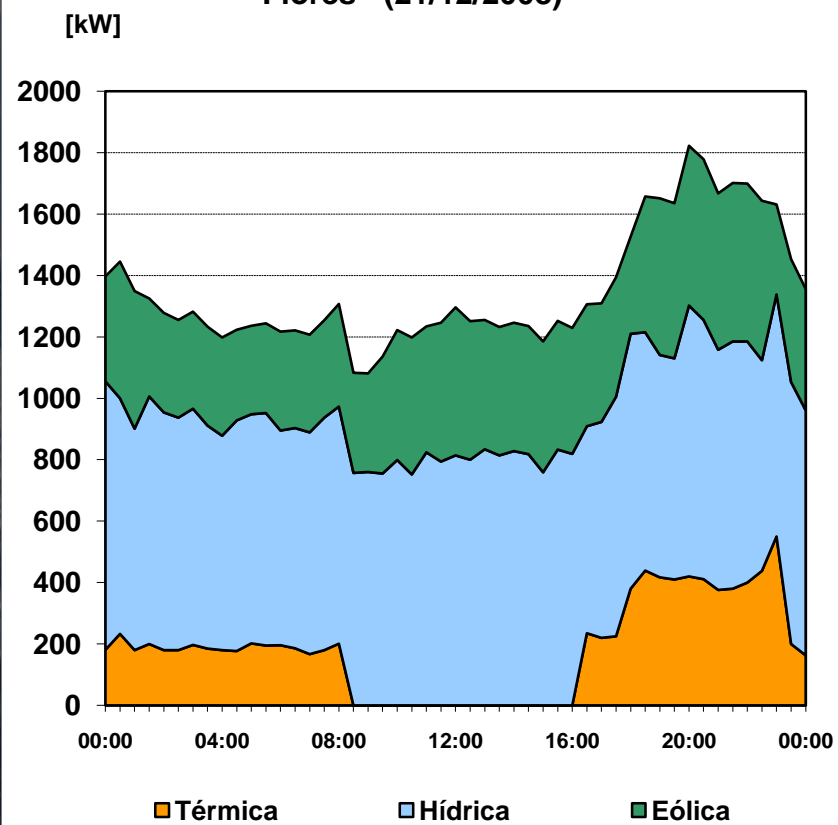
- Investing in renewables (geothermal, wind, hydro, solar...)
- Electric car
- [Buildings certification](#)
- EN 16001
- ISO 50001



Flores - (18/06/2008)



Flores - (21/12/2008)



Thank You!

