

## Creating Jobs and Saving the Climate - The European Renewable Energy Industry Success Story -

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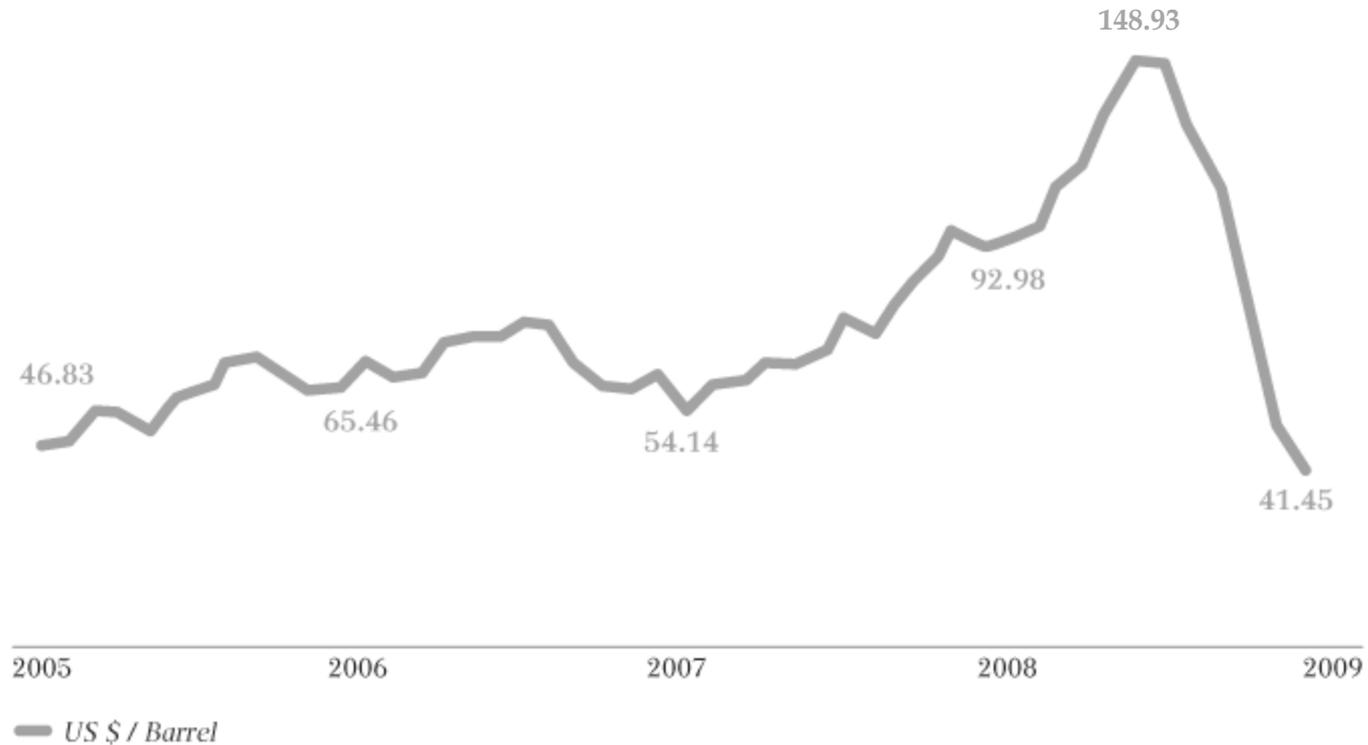
- AEBIOM      European Biomass Association
- EBIO      European Bioethanol Fuel Association
- EGEC      European Geothermal Energy Council
- EPIA      European Photovoltaic Industry Association
- EREF      European Renewable Energies Federation
- ESHA      European Small Hydropower Association
- ESTELA      European Solar Thermal Electricity Association
- ESTIF      European Solar Thermal Industry Federation
- EUBIA      European Biomass Industry Association
- EU-OEA      European Ocean Energy Association
- EUREC      European Association of Renewable Energy Research Centres
- EWEA      European Wind Energy Association
- EBB      European Biodiesel Board

## Economic and Environmental Impacts

- ❑ 10% share of final energy consumption
- ❑ 1/4 of EU`s 20% GHG reduction committment (1990 level)
- ❑ 450.000 high quality jobs through the EU
- ❑ 45 billion EUR turnover

## Oil Prices 2005 – 2009

US Dollar per barrel



## New Renewable Energy Directive

(2009/28/EC)

- RES Electricity
  - RES Transport
  - RES Heating and Cooling
- ➔ binding target of at least 20% RES by 2020
- ➔ including a binding target of 10% biofuels and other RES in transport

## National Renewable Energy Action Plan

Art. 4 and Annex VI

➔ 30th June 2009 – 30th June 2010

1. Summary of national renewable energy policy
2. Expected final energy consumption
3. Targets and trajectories (national and sectoral)
4. Measures for achieving the targets
5. Assessments

## REPAP 2020

Renewable Energy Policy Action Paving the Way towards 2020

- Strong Network of Parliamentarians
  - Strong Network of national RES associations
  - Facilitate the process of implementation of EU legislation at national level
  - Increased awareness, level of knowledge of and experience exchange
- ➔ Ultimately a coherent implementation of the RES Directive on national level



## RES Contribution to Final Energy Consumption (Mtoe)

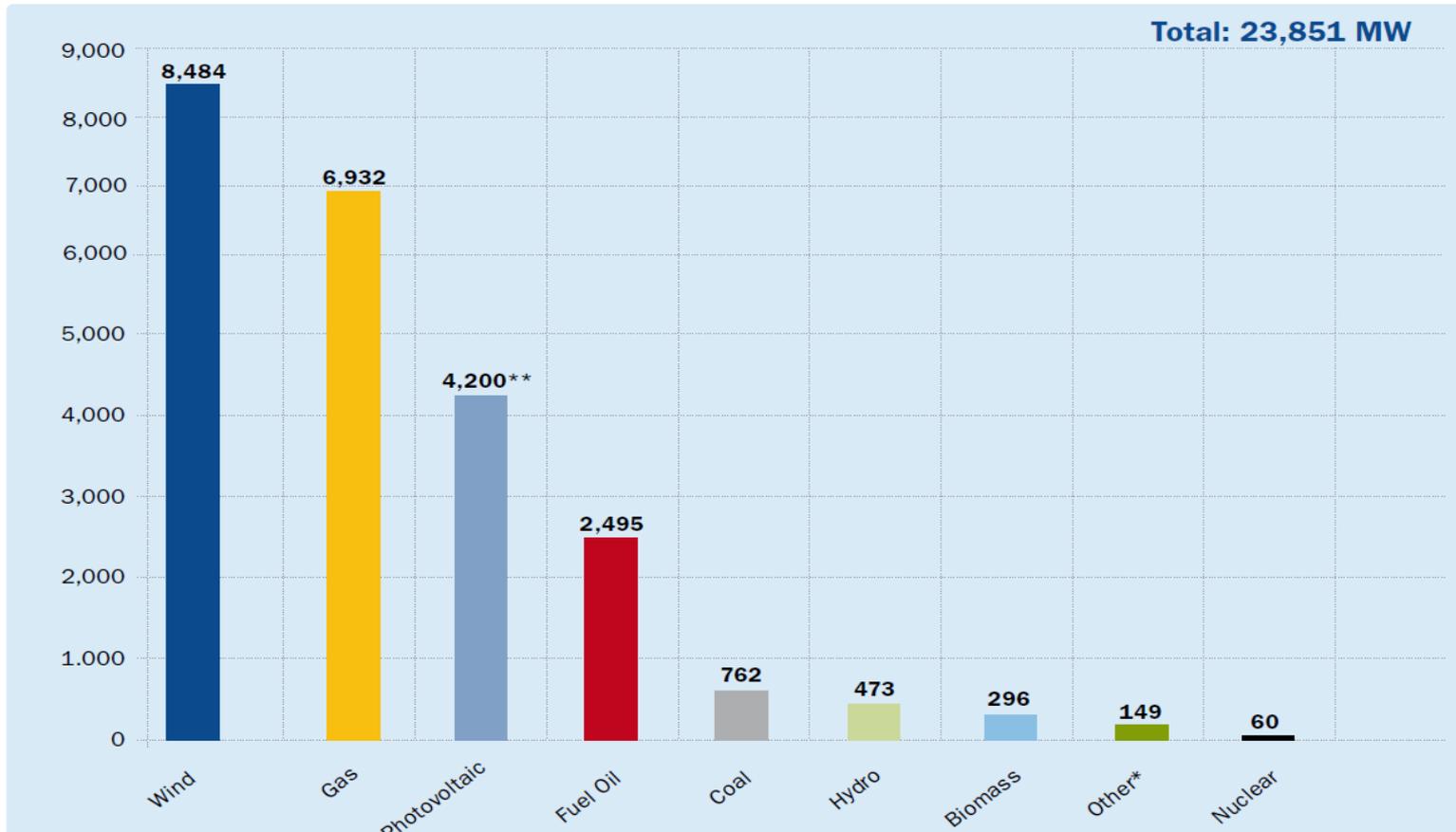
TYPE OF ENERGY	2005 Eurostat		2006 Eurostat		2007 Eurostat		AGR 2005-2007	TARGET 2020		AGR needed
		%		%		%	%		%	
<b>Final Energy Consumption* (Trends to 2030) (Combined RES and EE)</b>	1211.2		1213		1194.9		-0.7	1,378 1,266		
<b>1. Electricity**</b>	42.45	<b>3.5</b>	44.26	<b>3.7</b>	46.68	<b>3.9</b>	4.9			
<b>2. Heating and Cooling</b>	59.44	<b>4.9</b>	62.17	<b>5.1</b>	62.98	<b>5.3</b>	2.9			
<b>3. Transport biofuels</b>	3.83	<b>0.3</b>	6.19	<b>0.5</b>	8.81	<b>0.7</b>	51.6			
<b>Total Renewable Energy</b>	105.7	<b>8.7</b>	113.0	<b>9.3</b>	118.5	<b>9.9</b>	5.9	275.6	<b>20.0- 21.7</b>	6.7

\*Including electricity and steam transmission/distribution losses and own consumption

\*\*Normalised for hydro and wind



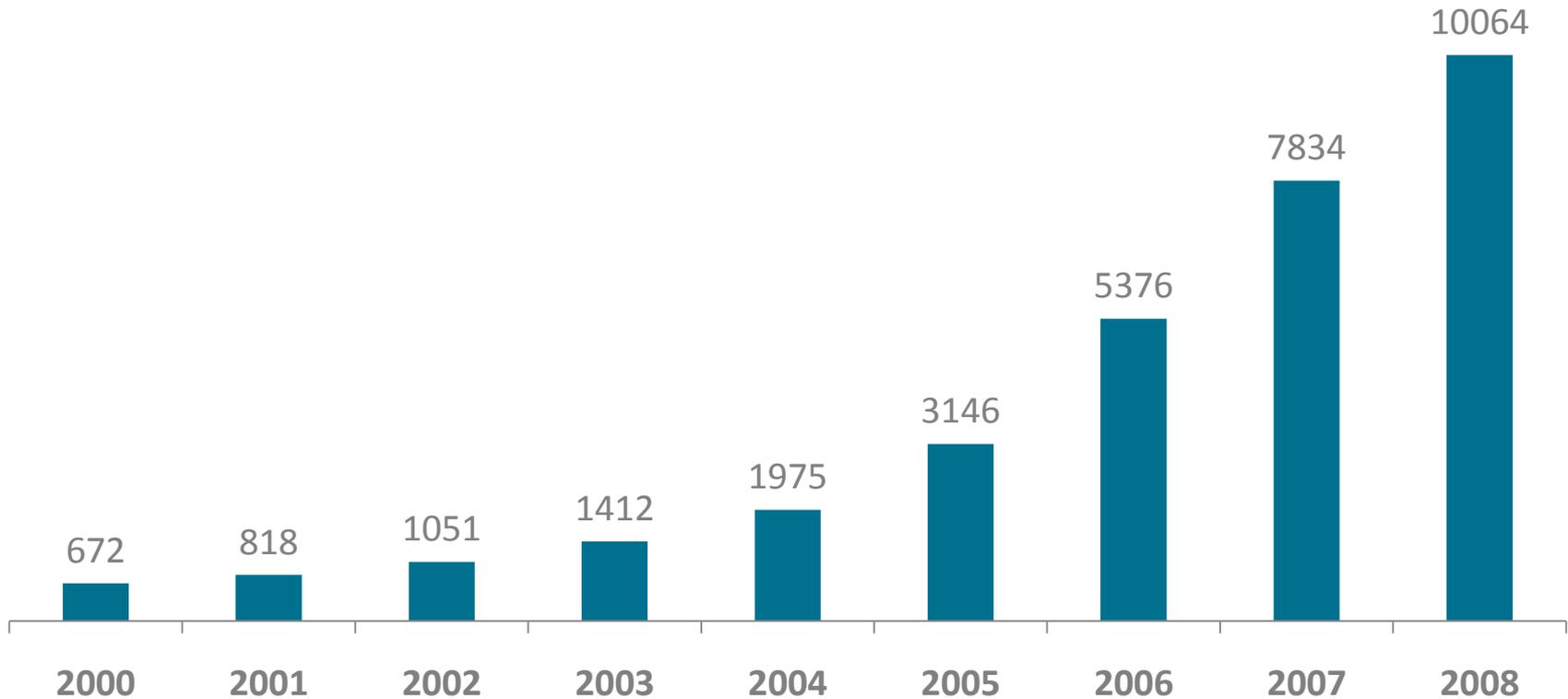
## New Power Capacity installed in 2008 (MW)



\*\* Source: Estimation EPIA

Source: EWEA and Platts Power Vision

## Evolution of the EU27 consumption of biofuels (ktoe)

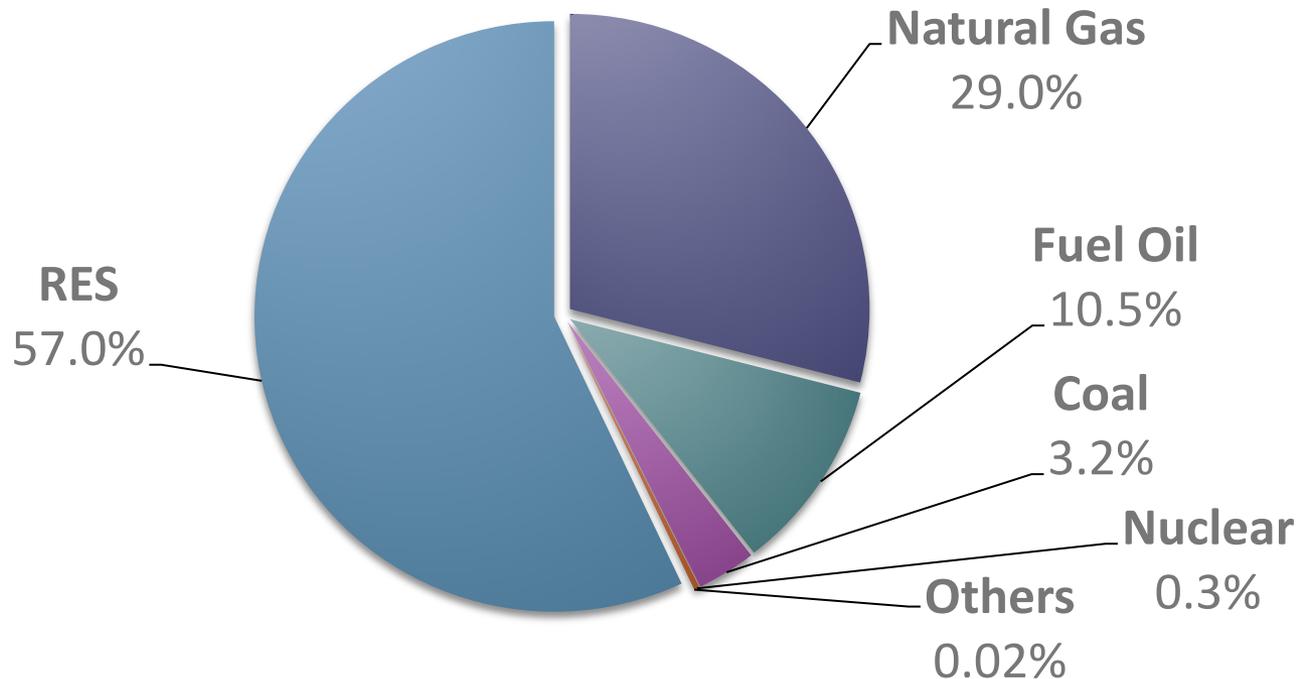


Source: EurObserv`ER and Eurostat

## New Capacity installed by Fuel in 2008

(%)

New Capacity 2008: 23.8 GW



Source: Platts, EWEA, EPIA

## Beyond RES Directive Implementation

- modernized grid system
  - buildings of the future
  - innovative ways of financing
  - R&D of innovative RES technologies
- ➔ Energy Efficient Renewable Energy based Economy



## 3rd European Renewable Energy Policy Conference

Brussels

16<sup>th</sup> – 17<sup>th</sup> November 2009

Official event of the  
Swedish Presidency of the Council of the European Union



[www.erec.org/policyconference2009](http://www.erec.org/policyconference2009)