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Industry projection 2020 -						
Electricity (Concumpt	tion from	n nonowol	blac		
Electricity (-onsump	ion iron	n renewa	Dies		
able 3: Contribution of Renew	ables to Electri	city Consumpt	ion			
able 5. contribution of henew	ables to Electri	city consumpt	ion			
	2005 Eurostat	2006 Eurostat	2010 Projections	2020 Targets		
	TWh	TWh	TWh	TWh		
Wind	70.5	82.0	176	477		
Hydro 1	346.9	357.2	360	384		
Photovoltaic	1.5	2.5	20	180		
Biomass	80.0	89.9	135	250		
Geothermal	5.4	5.6	10	31		
Solar thermal elect.	-		2	43		
Ocean	-		1	5		
TOTAL RES	504.3	537.2	704	1370		
Total Gross Electricity Generation EU27 (Trends to 2030-Baseline)	3320.4	3361.5	3568	4078		
(Combined RES and EE)	15 7%	16.0%	19.7%	33.6-40.4%		
Share of RES						



Inc Rer	dustry proj newable hea	ection 20 at consum	20 - ption	
	2005 Eurostat Mtoe	2006 Eurostat Mtoe	2010 Projections Mtoe	2020 Projections Mtoe
Biomass 1	57.5	60.0	75	120 ²
Solar thermal	0.68	0.77	1.5	12 3
Geothermal	0.63	0.68	3	7
TOTAL RES HEAT	58.8	61.45	79.5	139
Total Heat Generation EU27 (Trends to 2030) • (Combined RES and EE) ••	579.2	570.1	583.5	606 541
Share of RES	10.2%	10.8%	13.6%	22.9-25.7%
Biomass for heat and heat derived from co-generation L AEBOM (European Biomass Association) believes that . Baved on the assumption that Lim of solar thermal coll ESTFs target is 21 Mitee of solar thermal energy in 202 Includes only district heating "Includes all applications ind. shallow geothermal heat pump	and district heating target of 147 Mtoe is achievable by 2 ector area per EU inhabitant is achieva 10. %	2020 for biomass for heat and able by 2020,	derived heat	

EREC

Industry projection 2020 -Biofuels consumption

Table 7: Contribution of Renewables to Transport Fuel Consumption

	2005 Eurostat Mtoe	2006 Eurostat Mtoe	2010 Projection Mtoe	2020 Projection Mtoe
Transportation Biofuels	3.13	5.38	16	34.0
Gasoline and oil consumption (Trends to 2030-Baseline) (Combined RES and EE) "	297.2	300.4	317.3	349.5 323.9
Biofuels' Share %	1.05	1.79	5.0	9.7-10.5

Source: EREC

	Anan I								
	Contraction of	1.1/1		and the		- marte	1 mil		
able 8: Contribution	of RES to	total fi	nal energy	consur	mption (M	ltoe)			
Type of energy	2005		2006		Projection 2010		Targets 2020		
	Eurostat		Eurostat			%		%	
Final Energy Consumption (Trends to 2030) (Combined RES and EE)	1,211.5		1,214.8		1,272		1,378 1,266		
Wind	6.06	0.50	7.05	0.58	15.13	1.19	41	3.0-3.2	
Hydro ²	29.82	2.46	30.71	2.53	30.95	2.43	33	2.4-2.6	
Photovoltaic	0.13	0.01	0.22	0.02	1.72	0.14	15.5	1.1-1.2	
Biomass	67.51	5.57	73.11	6.02	102.60	8.07	175.5	12.7-13.9	
Geothermal	1.10	0.09	1.16	0.10	3.86	0.30	9.4	0.7	
Solar Thermal	0.68	0.06	0.77	0.06	1.5	0.12	12	0.9-1.0	
Solar Thermal elect.	0		0		0.16	0.02	2.2	0.2	
Ocean	0		0		0.08	0.01	0.4	0.03	
Total DEC	105.3	8.69	113.02	9.30	156.0	12.3	289	20.9-22.8	

Source: EREC

KES I Cheti ation (2005 – 2020)						
	2005 Mt/year	2020 Mt/year	2005-2020 Mt/year			
Wind	55	353	298			
PV	1	133	132			
Biomass	189	498	309			
Hydro	278	284	6			
Geothermal	6	40	34			
Solar thermal	3	48	45			
Solar power		12	12			
Ocean		4	4			
TOTAL RES	532	1372	840			
% of total EU27 GHG emissions in 2005 (5211 Mt)			16.1%			





