

Czech Republic - Market situation and national strategies

Market situation

Production of electricity from biomass in the Czech Republic

	Gross production	Netto production	Share on el. from RES	Share on gross consumption	Share on gross el. production
	MWh	MWh	%	%	%
Biomass	1 170 527,4	581 328,8	31,37%	1,62%	1,40%
Woodchips etc.	603 047,9	471 234,4	16,16%	0,84%	0,72%
Cellulose leaches	458 468,7	21 812,0	12,29%	0,64%	0,55%
Plant materials	23 085,2	20 363,0	0,62%	0,03%	0,03%
Pellets, Briquettes	84 535,6	66 529,4	2,27%	0,12%	0,10%
Other biomass	1 390,0	1 390,0	0,04%	0,00%	0,00%

Production of heat from biomass in the Czech Republic

	Gross production	Self-consumption	Deliveries	Share on heat from RES
	GJ	GJ	GJ	%
Biomass	43 399 942,6	41 673 578,7	1 726 363,8	89,84%
Biomass without households	15 462 563,6	13 736 199,7	1 726 363,8	32,01%
Firewood	355 809,9	355 351,2	458,7	0,74%
Woodchips etc.	8 297 771,9	7 208 516,8	1 089 255,1	17,18%
Cellulose leaches	6 339 164,8	6 019 045,4	320 119,4	13,12%
Plant materials	258 500,6	74 955,1	183 545,4	0,54%
Pellets, Briquettes	211 316,4	78 331,2	132 985,2	0,44%
Other biomass	0	0	0	0,00%
Biomass in households	27 937 379,0	27 937 379,0	-	57,83%

Production and use of pellets and briquettes in the Czech Republic

	Briquettes (t)	Pellets (t)
	Production capacity	133 767
National production	76 622	193 896
Imports	6 922	1 819
Exports	47 010	112 763
Self-consumption of producers	2 640	822
Balance and annual stock difference	18 347	-837
Deliveries to the market	52 241	81 293
Consumption in large companies	5 215	56 135
- For electricity production	1 645	43 279
- For heat production	3 570	12 856
- Balance and annual stock difference	20	2 336
Consumption in small companies	49 666	23 649

Imports and exports of pellets and briquettes

	2007		2008		Index	
	Import	Export	Import	Export	Import	Export
Firewood	7 125	76 875	3 053	68 675	43%	89%
Woodchips softwood	36 862	101 032	25 460	129 804	69%	128%
Woodchips other	1 219	72 820	1 249	125 451	102%	172%
Sawdust	6 893	137 964	7 862	123 336	114%	89%
Residuals	12 911	100 934	23 372	70 074	181%	69%
Briquettes and pellets	7 591	102 115	9 500	202 163	125%	198%
Total	72 601	591 740	70 496	719 503	97%	122%

Source of all table data: Ministry of Industry and Trade, Czech Statistical Office (2008)

Conclusion:

- The share of biomass on the national electricity production is still very low.
- Share on heat production is mainly given by the consumption of households.
- The national production of solid biofuels is raising, however most of the production is for exports.
- Exports of solid biofuels is increasing rapidly.

National strategies

Sustainability strategy

Approved 2004, amendments 2010

3 main objectives: economical, environmental, social with 5 priorities:

Priority 1: Society, human and health - is dedicated to the issue of conditions for healthy human life, creating a harmonious society and demographic development. Emphasis is given to intergenerational and family cohesion.

Priority 2: Economy and Innovation - defines the basic strategic framework for economic development as a pillar of sustainable development.

Priority 3: Territory development - based on the fact that all development is implemented in a particular territory. A key element for sustainable development in the area is a responsible approach to land use planning and its strict implementation.

Priority 4: Landscape, ecosystems and biodiversity - will focus on landscaping as a basic precondition for the protection of species biodiversity.

Priority 5: A stable and secure society - determines the strategic framework for social order.

Biomass Action Plan

Approved 2009

The main objectives stated in the BAP are:

- Implementing reforms for common agriculture politics to the EU
- Implementing the national program for support of energy crops
- Support for establishing perennial growths of energy crops
- Regulations enabling efficient management of biological waste
- The issue of national legislation on soil protection in response to the forthcoming EC directive on soil protection
- Research Program in the RES area should respect the current needs of agriculture
- Classification of solid biofuels shifting them to lower class of VAT
- More detailed statistics on biomass
- Adjustment of a grant system

At the moment, there is no REAP in the Czech Republic!

Communication, knowledge management and dissemination



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