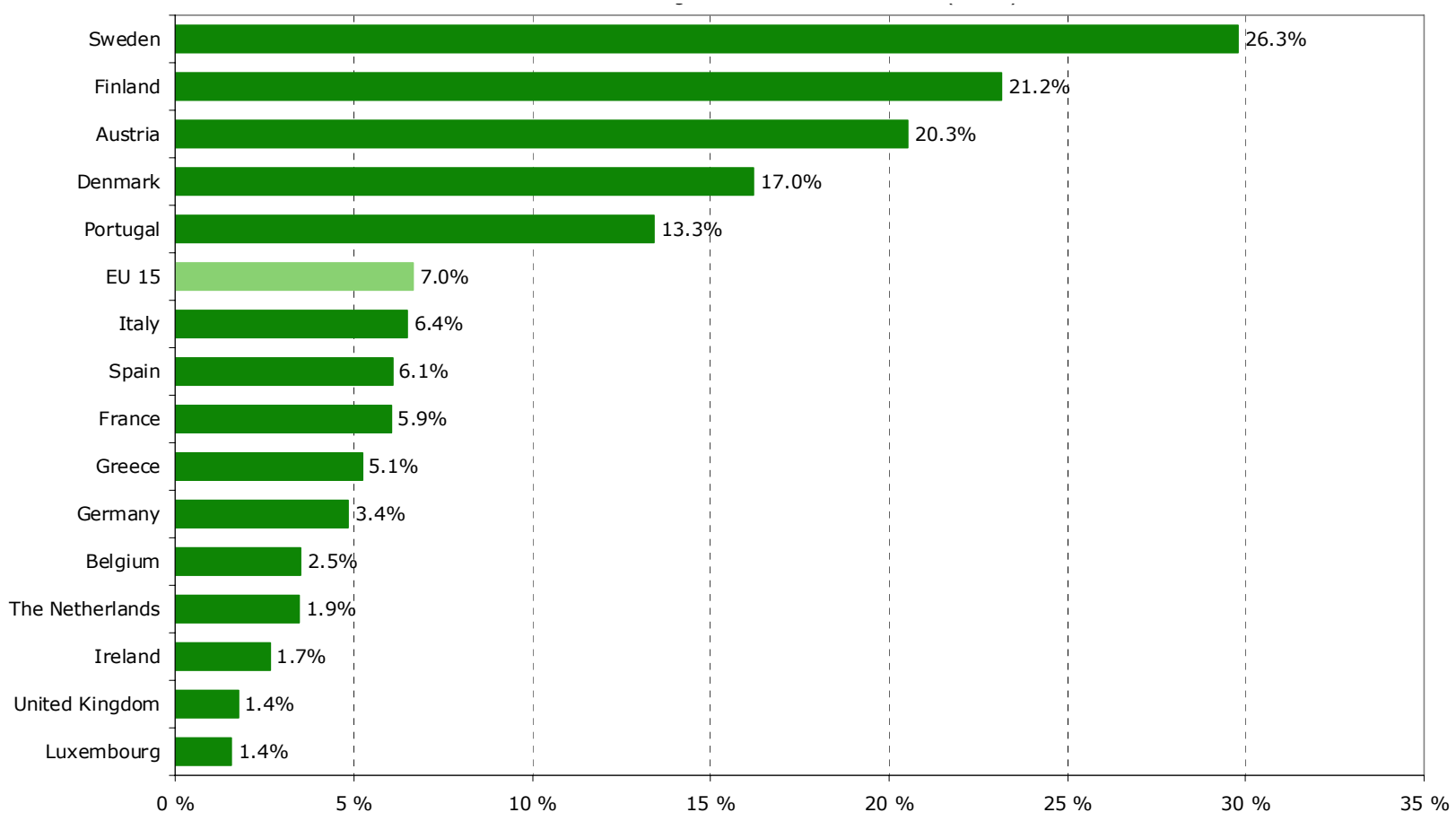
Renewable Energy Trends in Finland

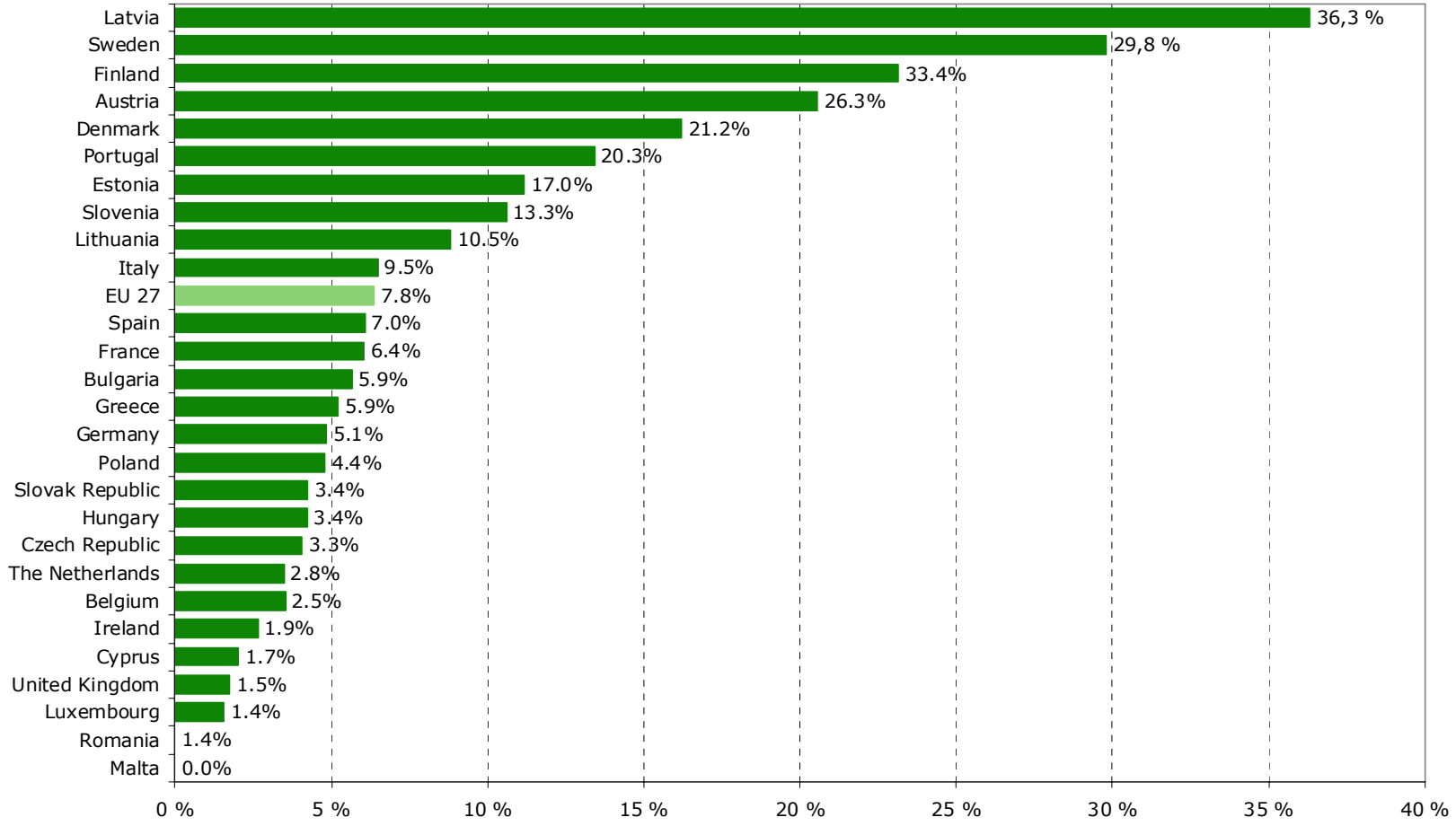
Update 8 February 2008

Share of Renewable Energy Sources of Total Energy Consumption in EU-15 in 2005



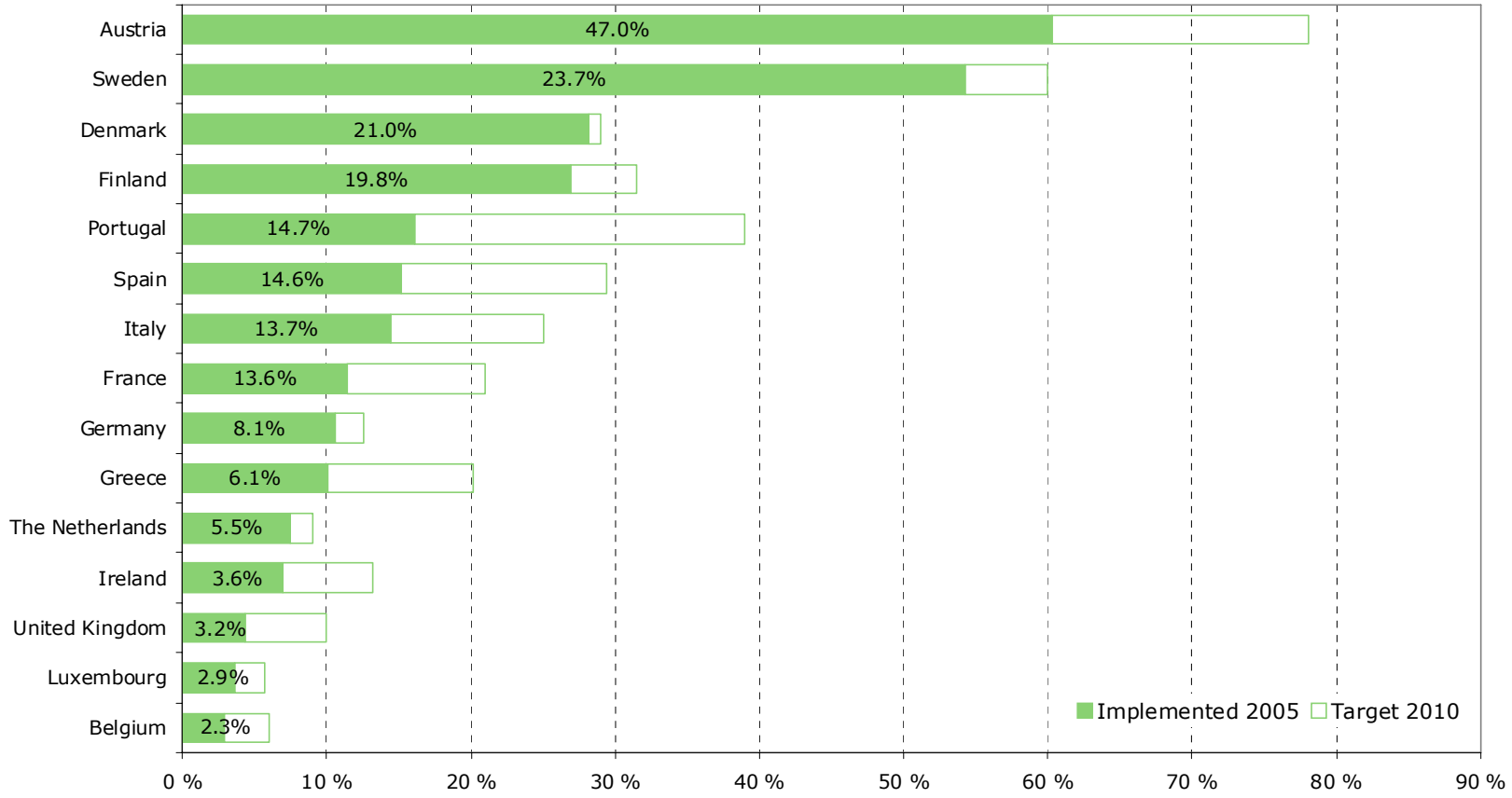
Source: Statistics Finland, Energy Statistics Yearbook 2007 (ref. Eurostat), does not include peat

Share of Renewable Energy Sources of Total Energy Consumption in EU-27 in 2005



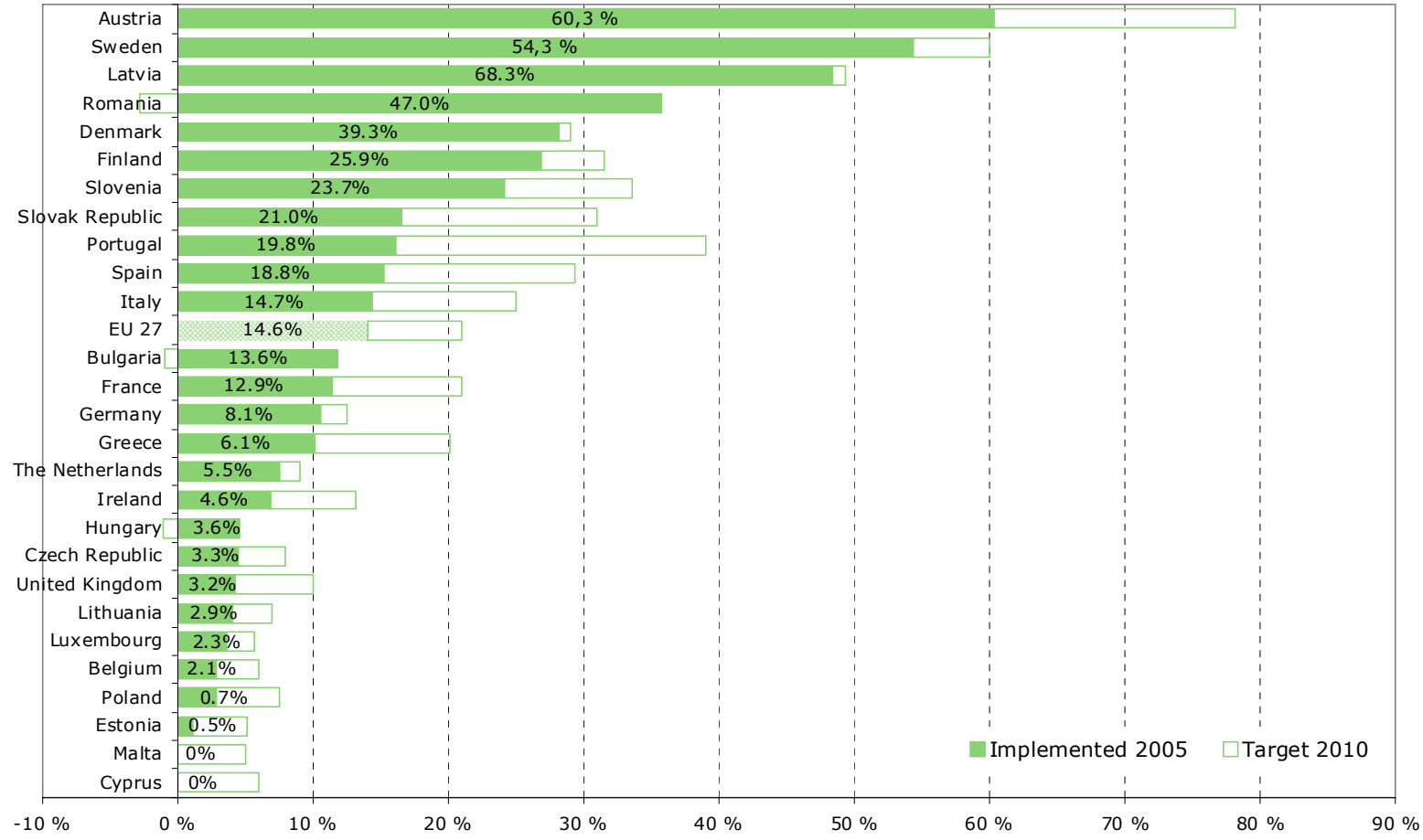
Source: Statistics Finland, Energy Statistics Yearbook 2007 (ref. Eurostat), does not include peat

Share of RES-Electricity of Total Electricity Consumption in EU-15 in 2005 and Indicative Targets for 2010



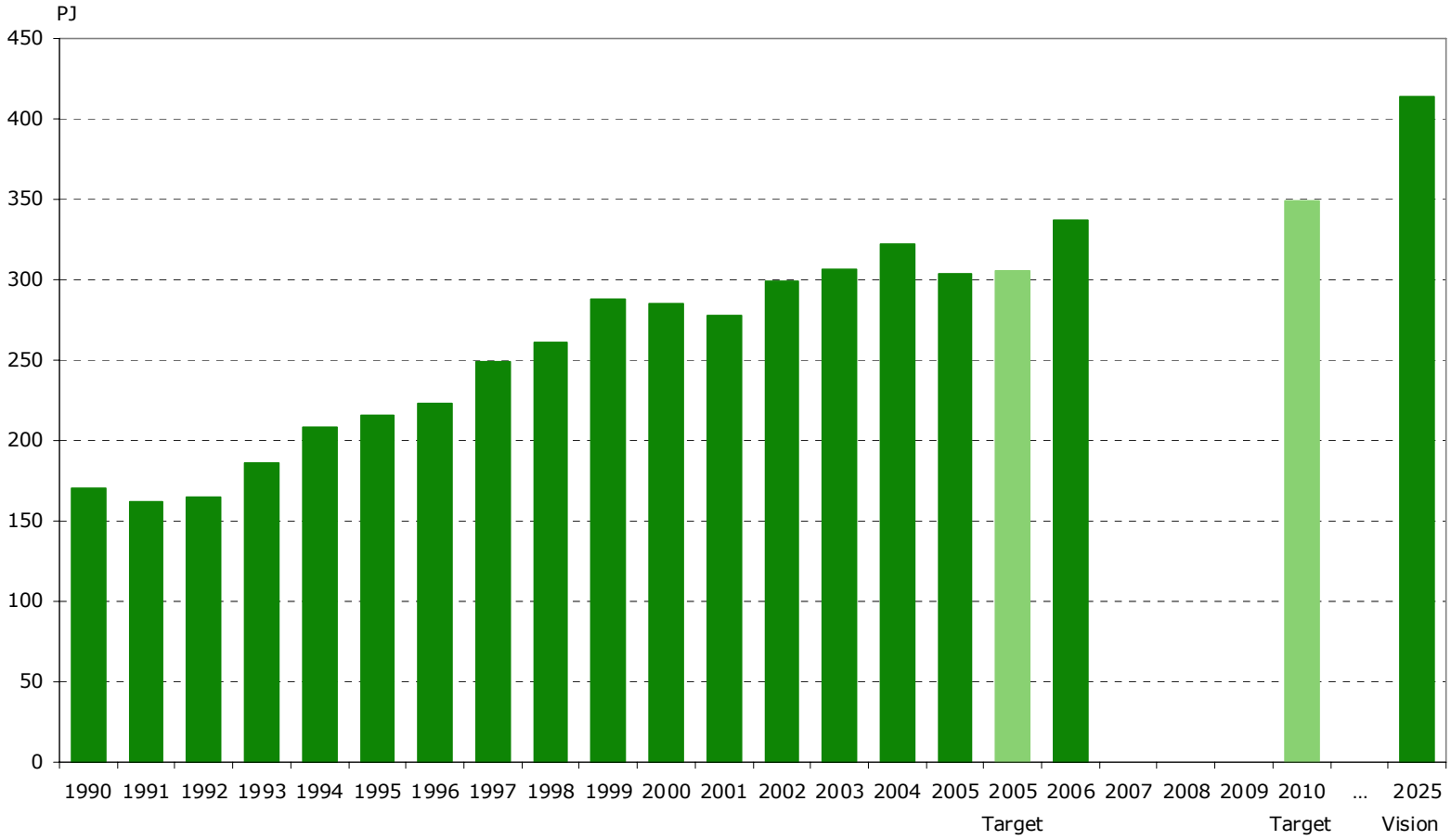
Source: European Commission, DG TREN. Statistical Pocketbook 2007.

Share of RES-Electricity of Total Electricity Consumption in EU-27 in 2005 and Indicative Targets for 2010



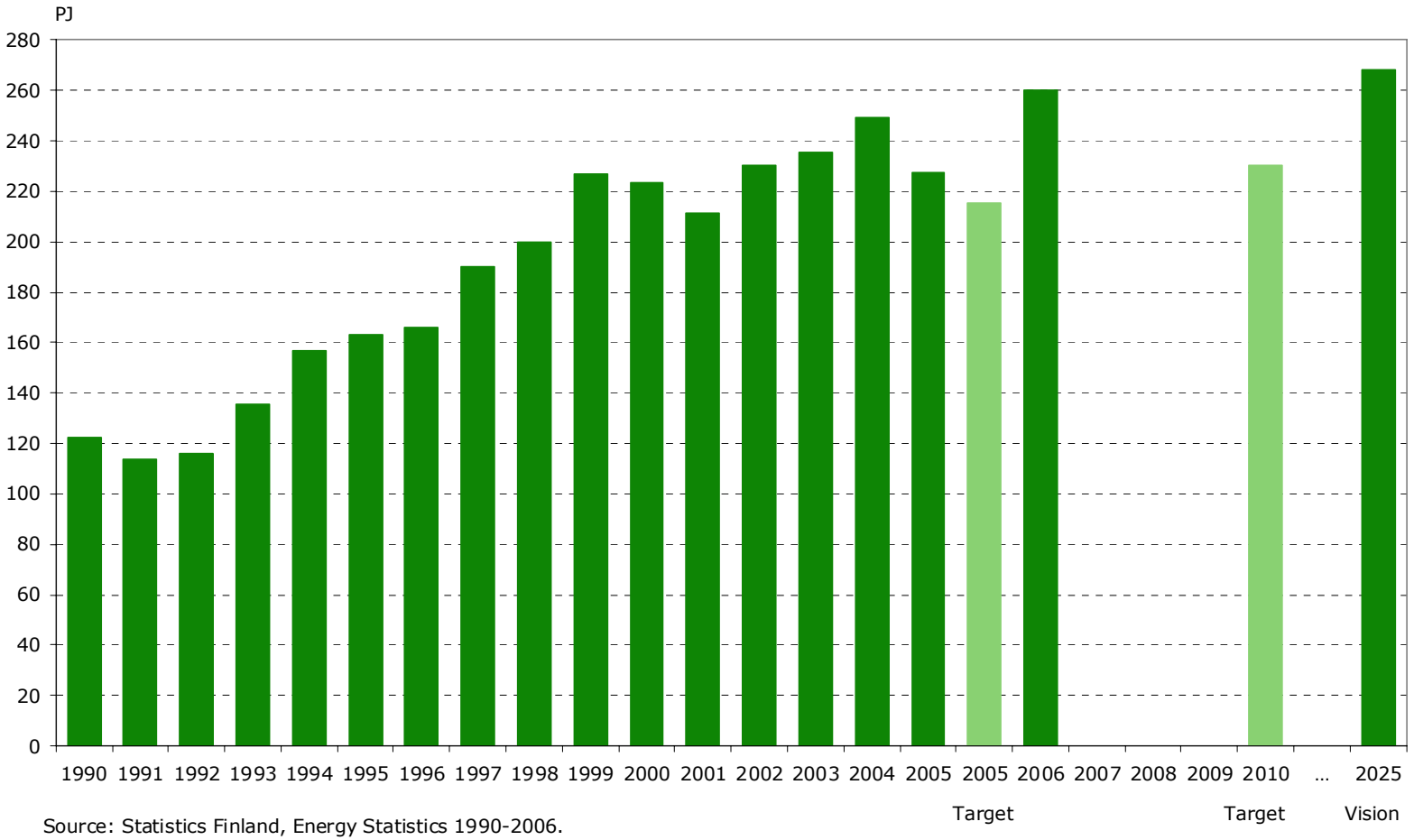
Source: European Commission, DG TREN. Statistical Pocketbook 2007

Total Consumption of Bioenergy in Finland



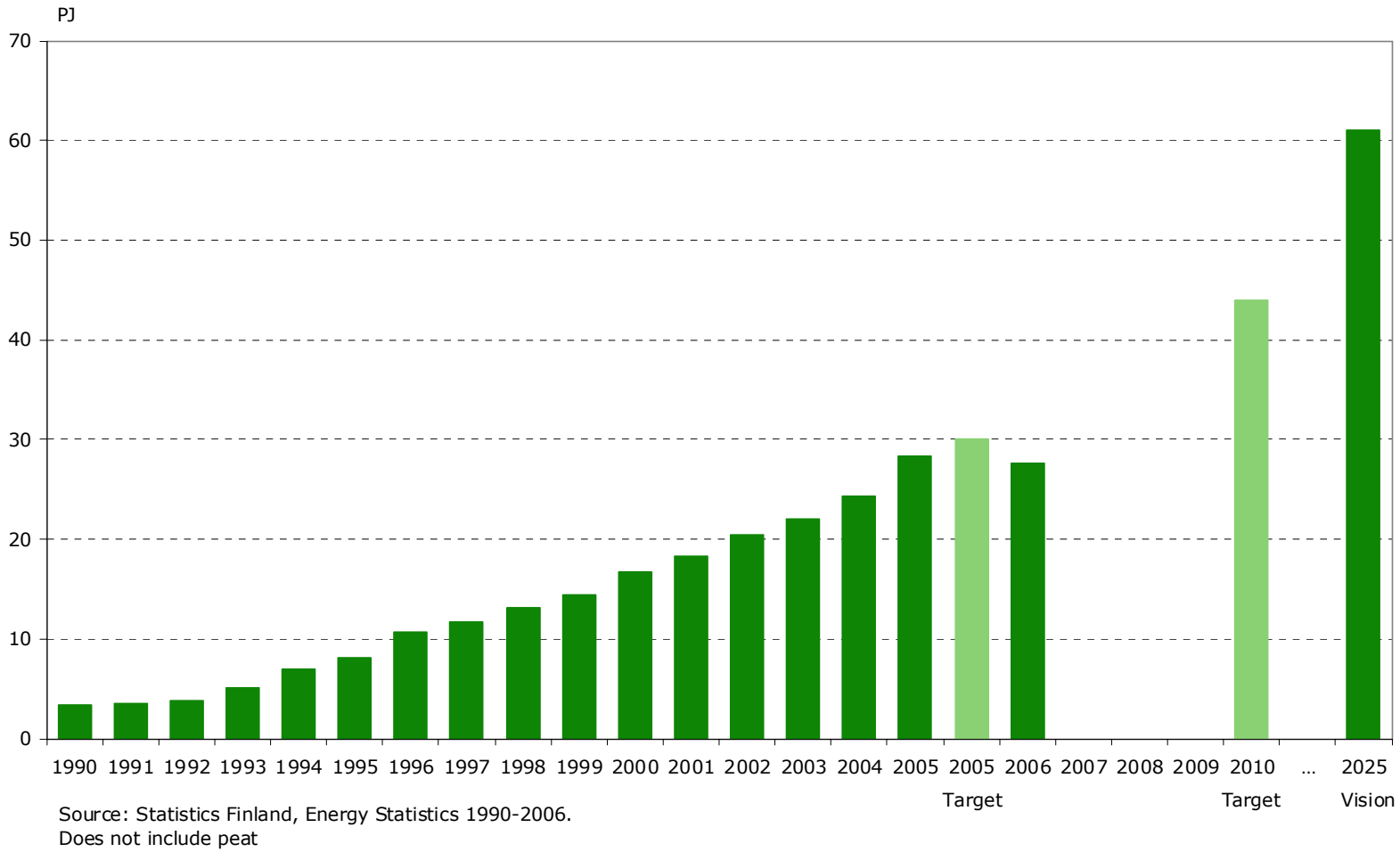
Source: Statistics Finland, Energy Statistics, 1990-2006. Does not include peat. The source for 1995 data, targets and vision shown in this and the following graphs is the Renewable Energy Action Plan 2003-2006.

Consumption of Bioenergy in Industry



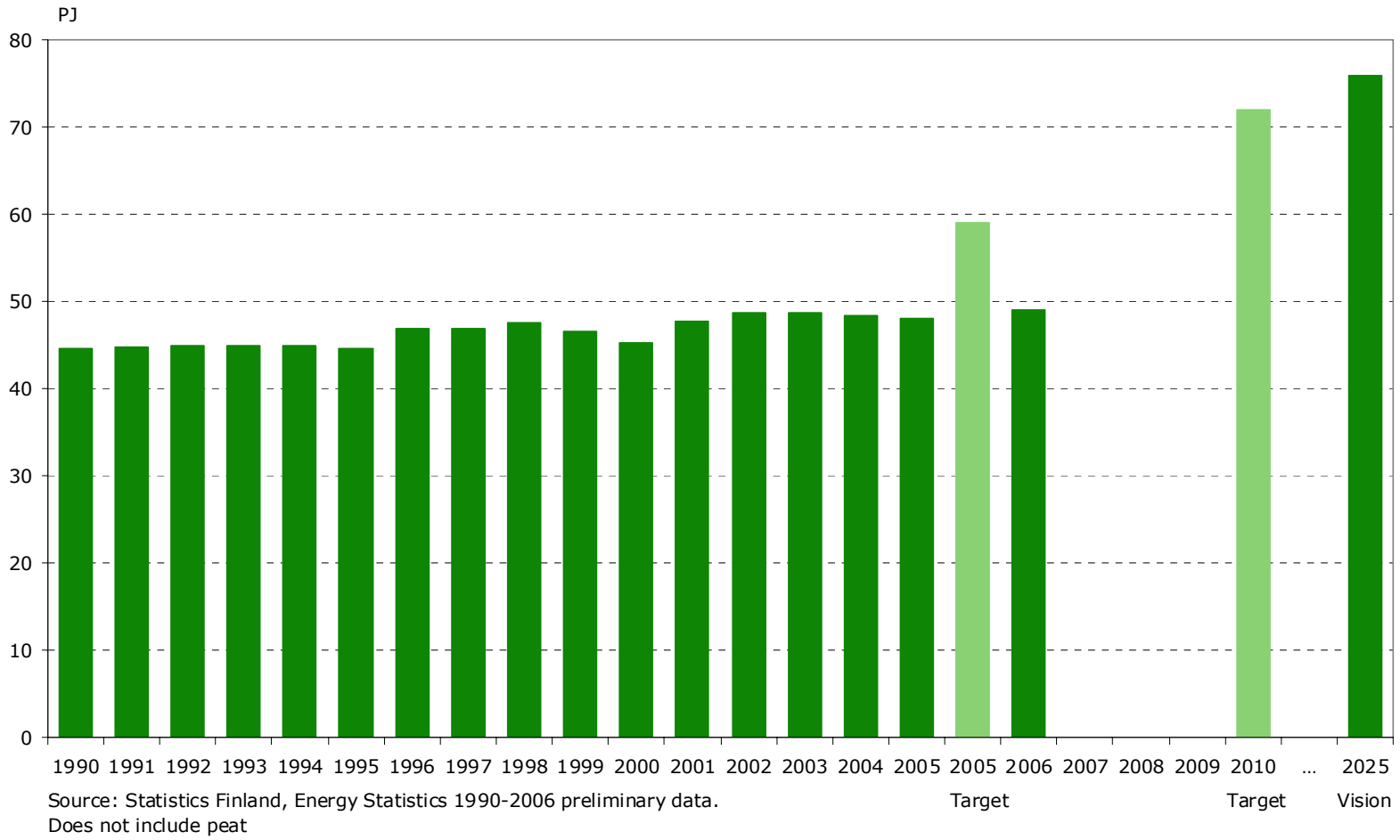
Source: Statistics Finland, Energy Statistics 1990-2006.
Does not include peat

Consumption of Bioenergy in District Heating



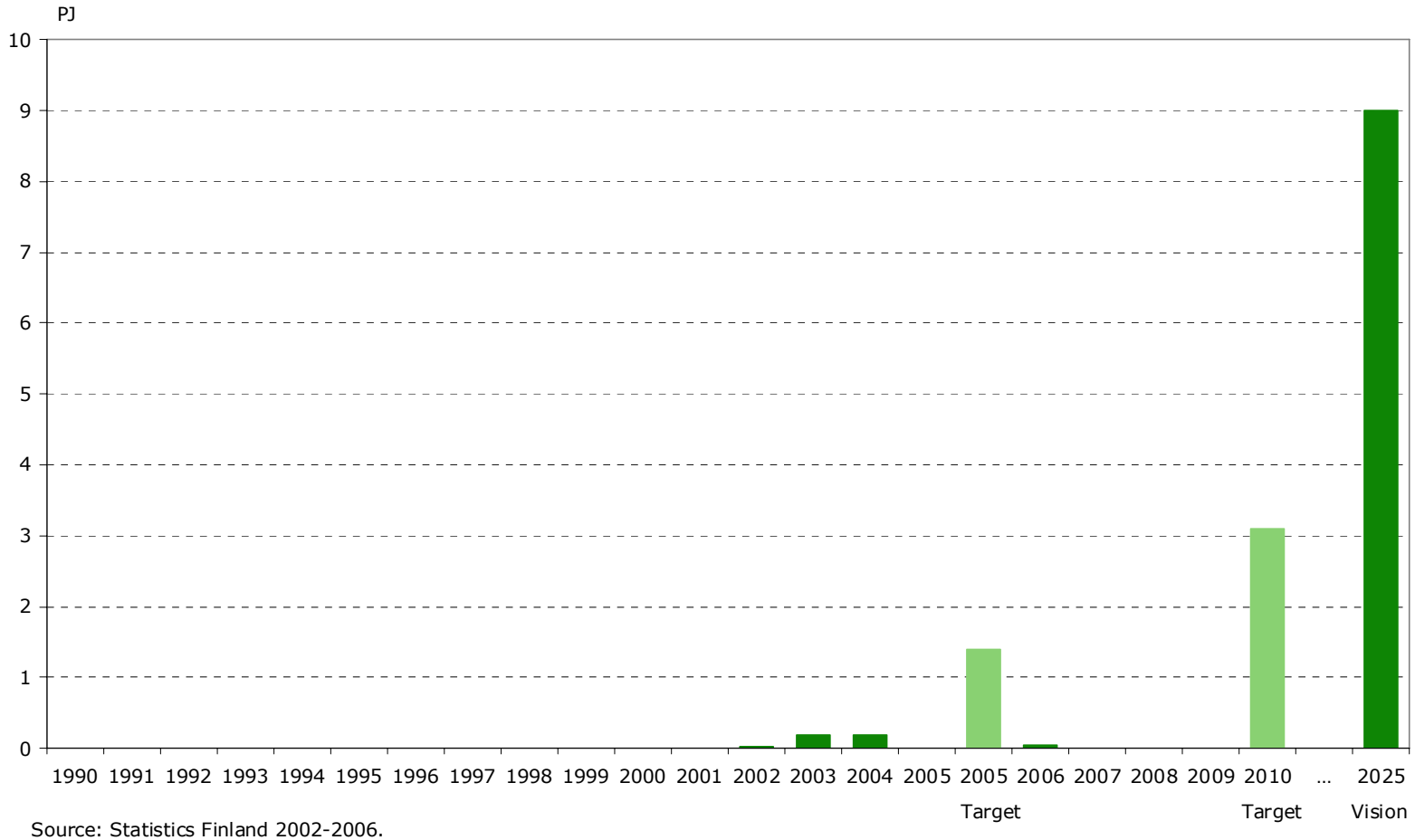
Source: Statistics Finland, Energy Statistics 1990-2006.
Does not include peat

Small-Scale Consumption of Bioenergy



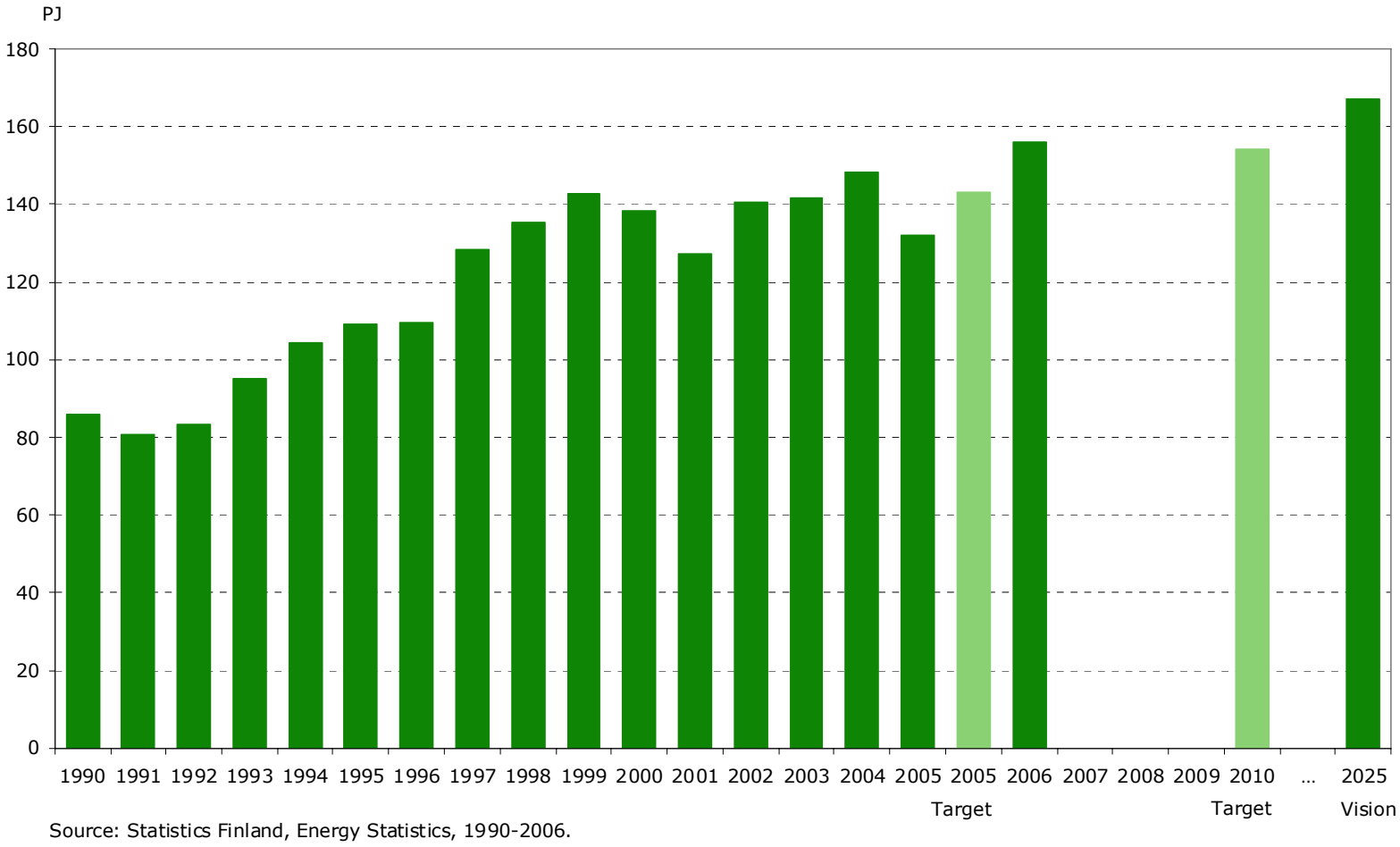
Source: Statistics Finland, Energy Statistics 1990-2006 preliminary data.
Does not include peat

Consumption of Biofuels in the Transport Sector



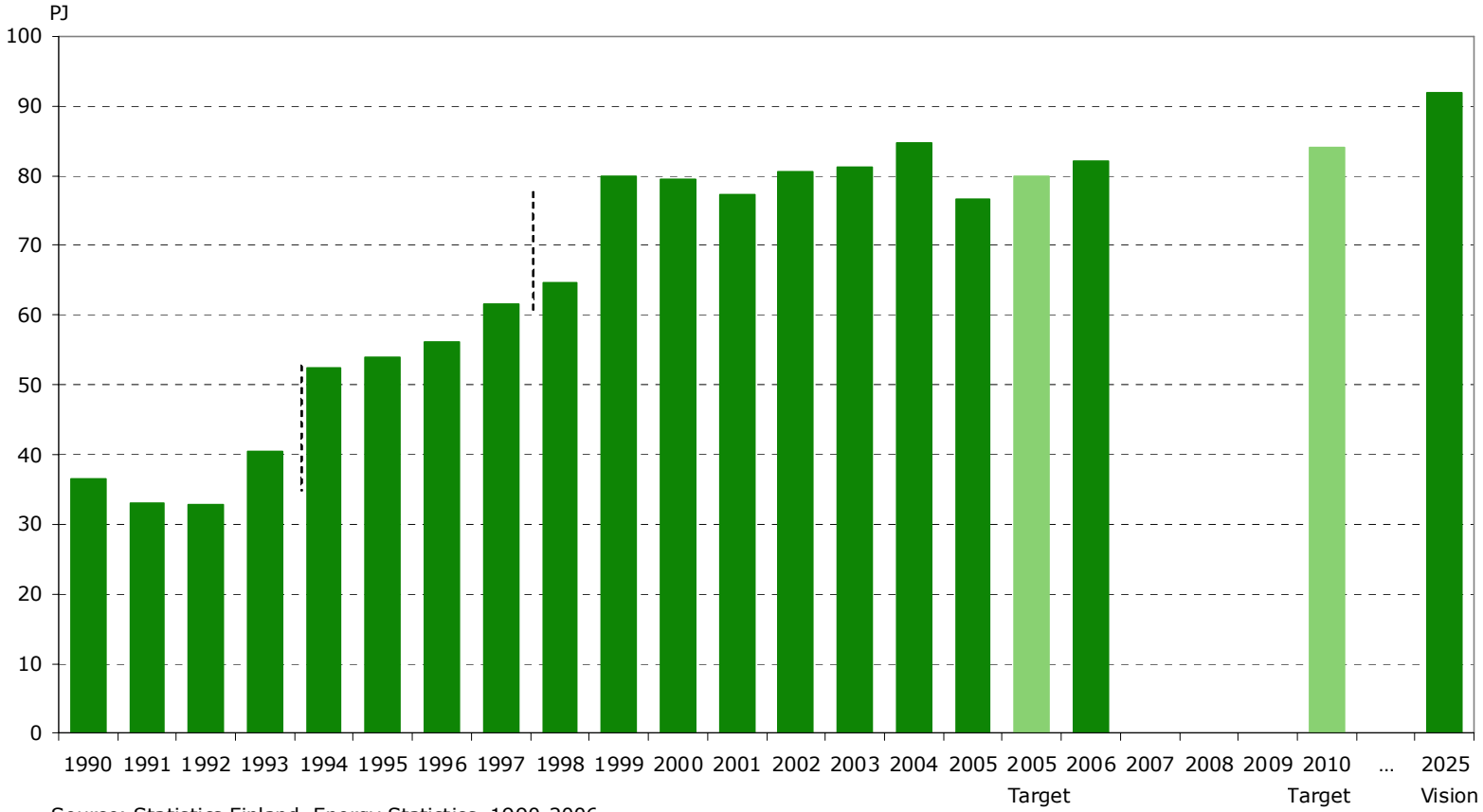
Source: Statistics Finland 2002-2006.
Targets are indicative, Action Plan for Renewable Energy 2003-2006. A Working Group Proposal, February 2003.

Black and Other Concentrated Liquors



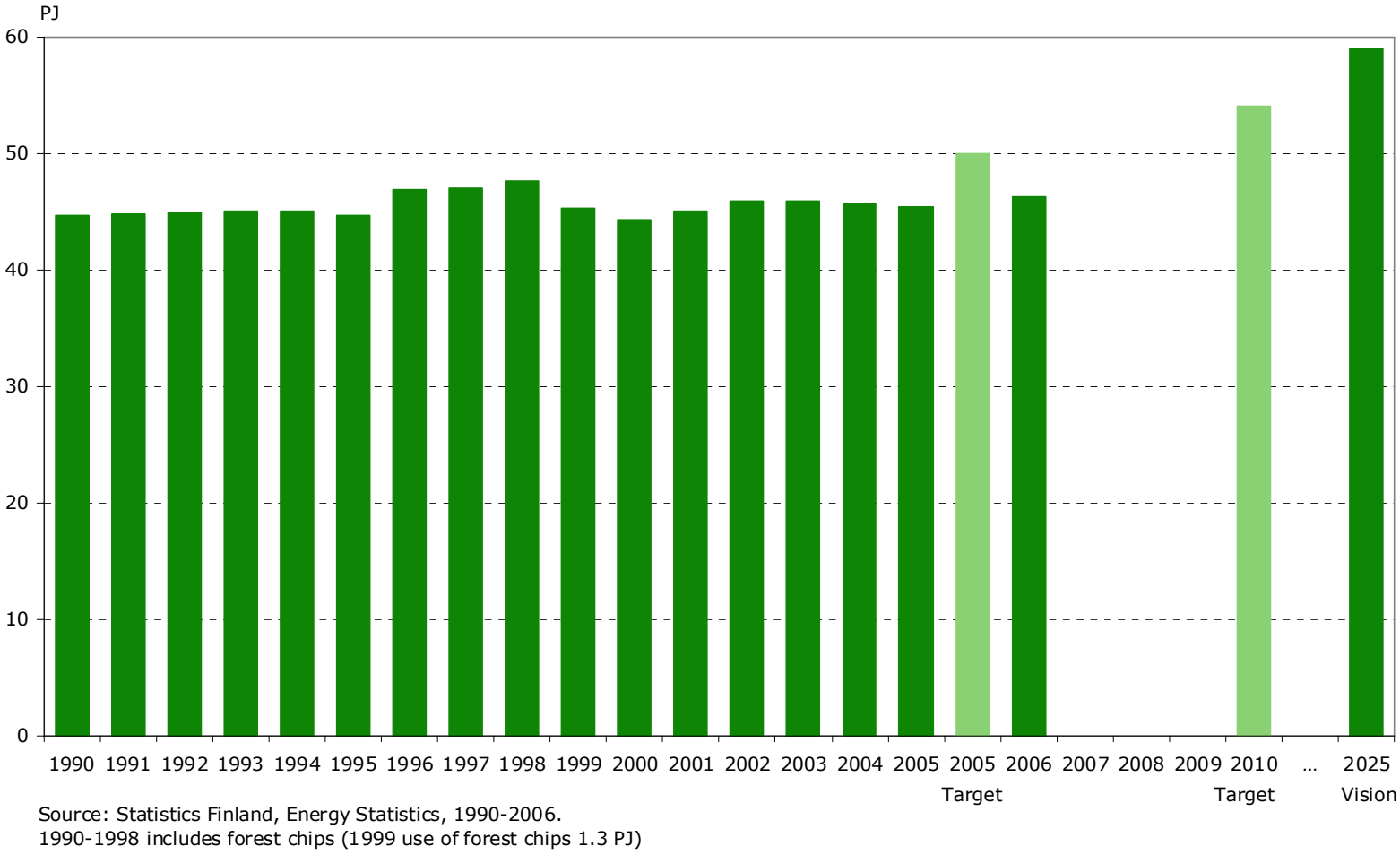
Source: Statistics Finland, Energy Statistics, 1990-2006.

Industrial Wood Residues



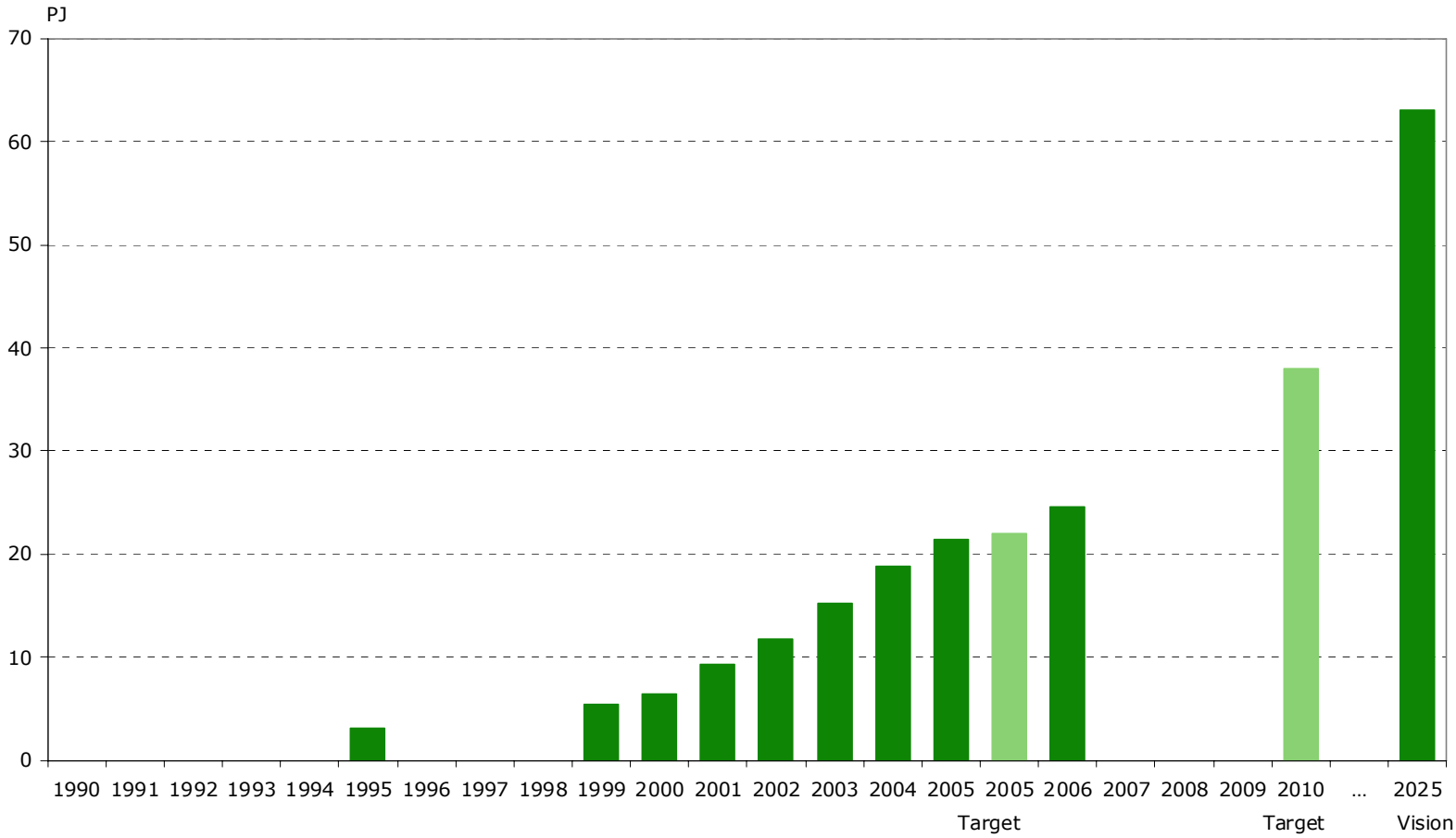
Source: Statistics Finland, Energy Statistics, 1990-2006.
1990-1998 includes forest chips. 1999 data source changed. 1994-1998 data has been corrected based on a sample survey to better correspond to post-1999 data.

Small Combustion of Wood (excluding forest chips)



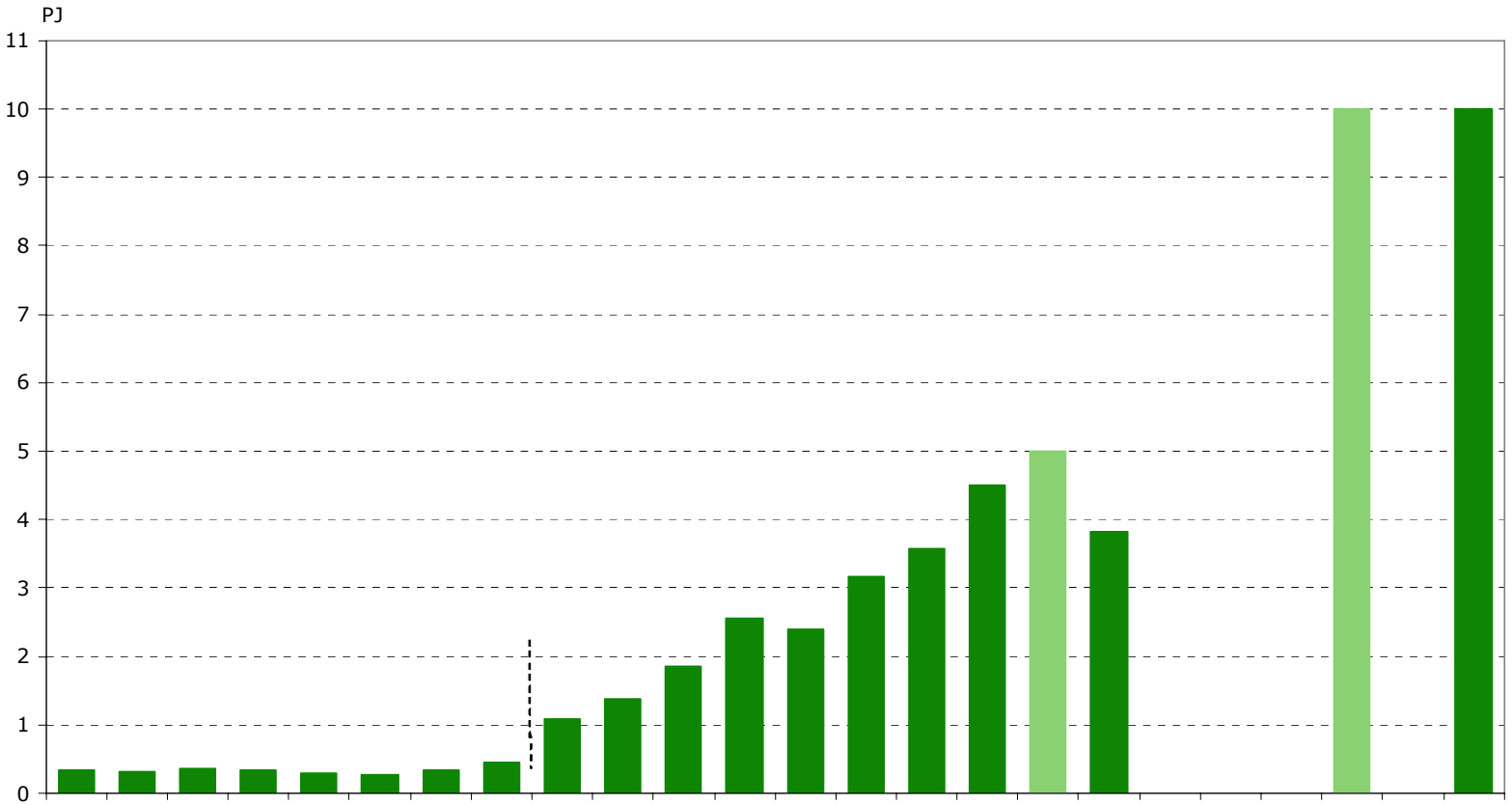
Source: Statistics Finland, Energy Statistics, 1990-2006.
1990-1998 includes forest chips (1999 use of forest chips 1.3 PJ)

Forest Chips



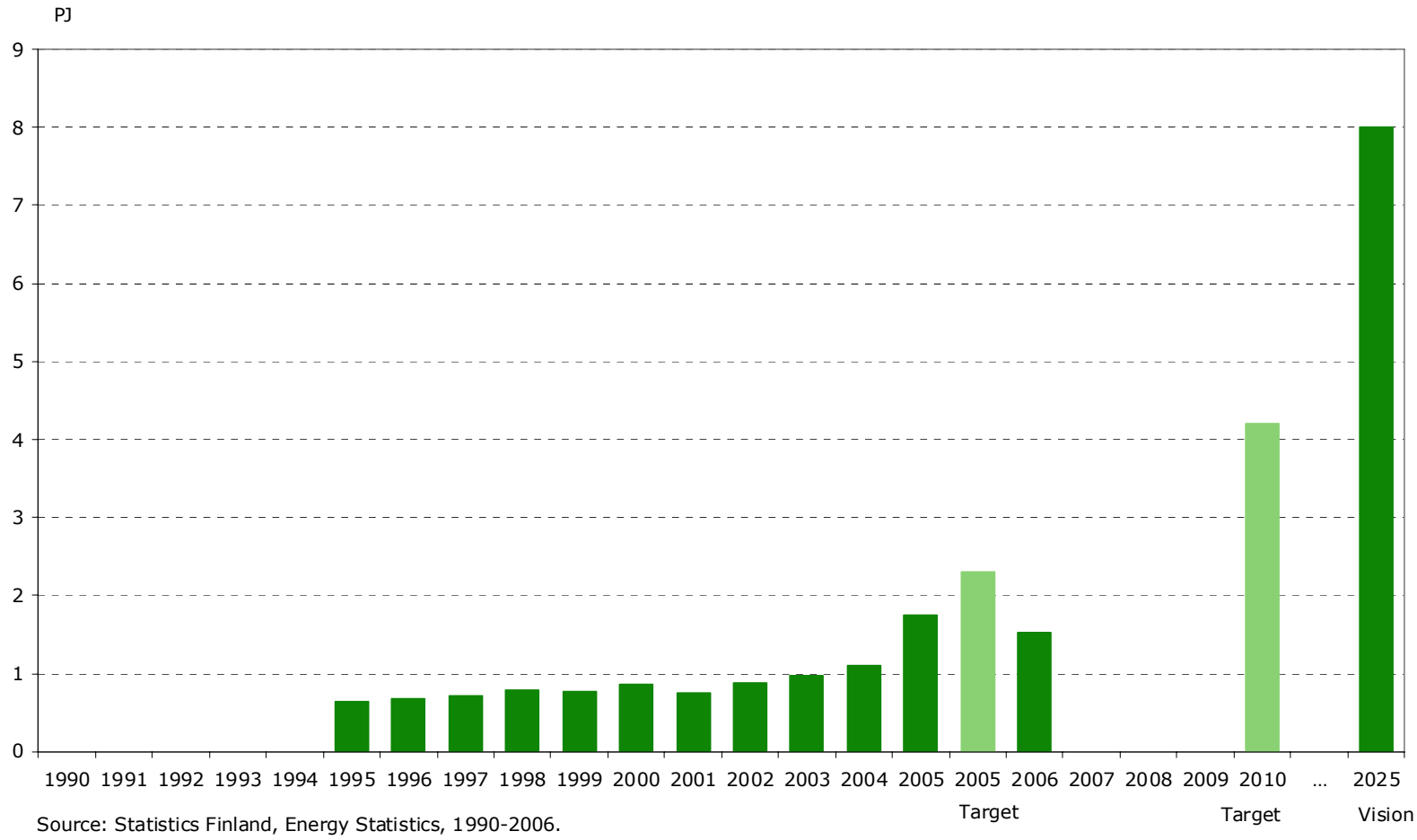
Source: Statistics Finland, Energy Statistics, 1990-2006.
Data for 1995 from Action Plan for Renewable Energy 2003-2006. A Working Group Proposal, February 2003

Recovered Fuels



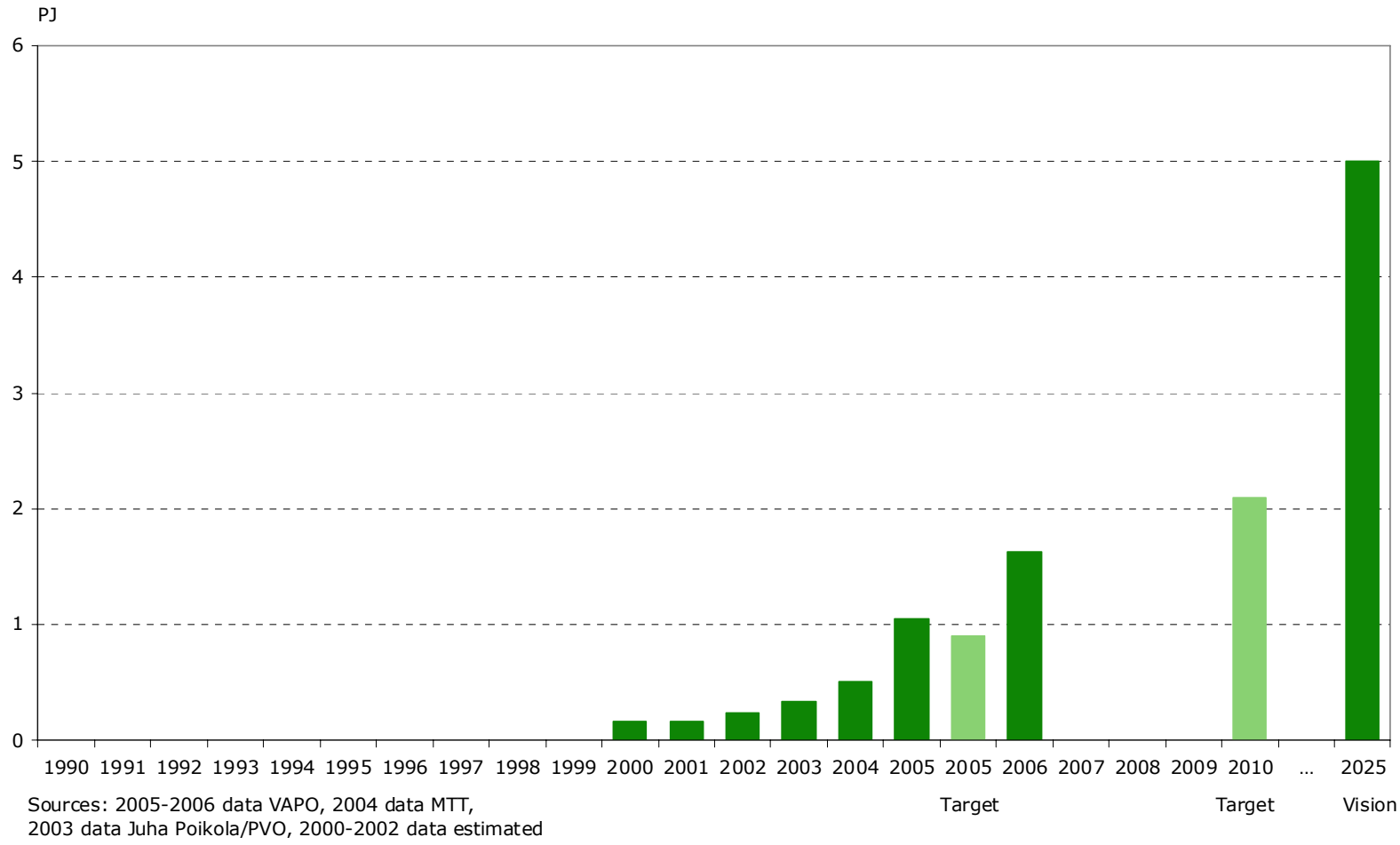
Source: Statistics Finland, Energy Statistics, 1990-2006.
Information on all recovered fuels is not available before 1998.
Note! Targets are based on the National Waste Disposal Strategy.

Biogas



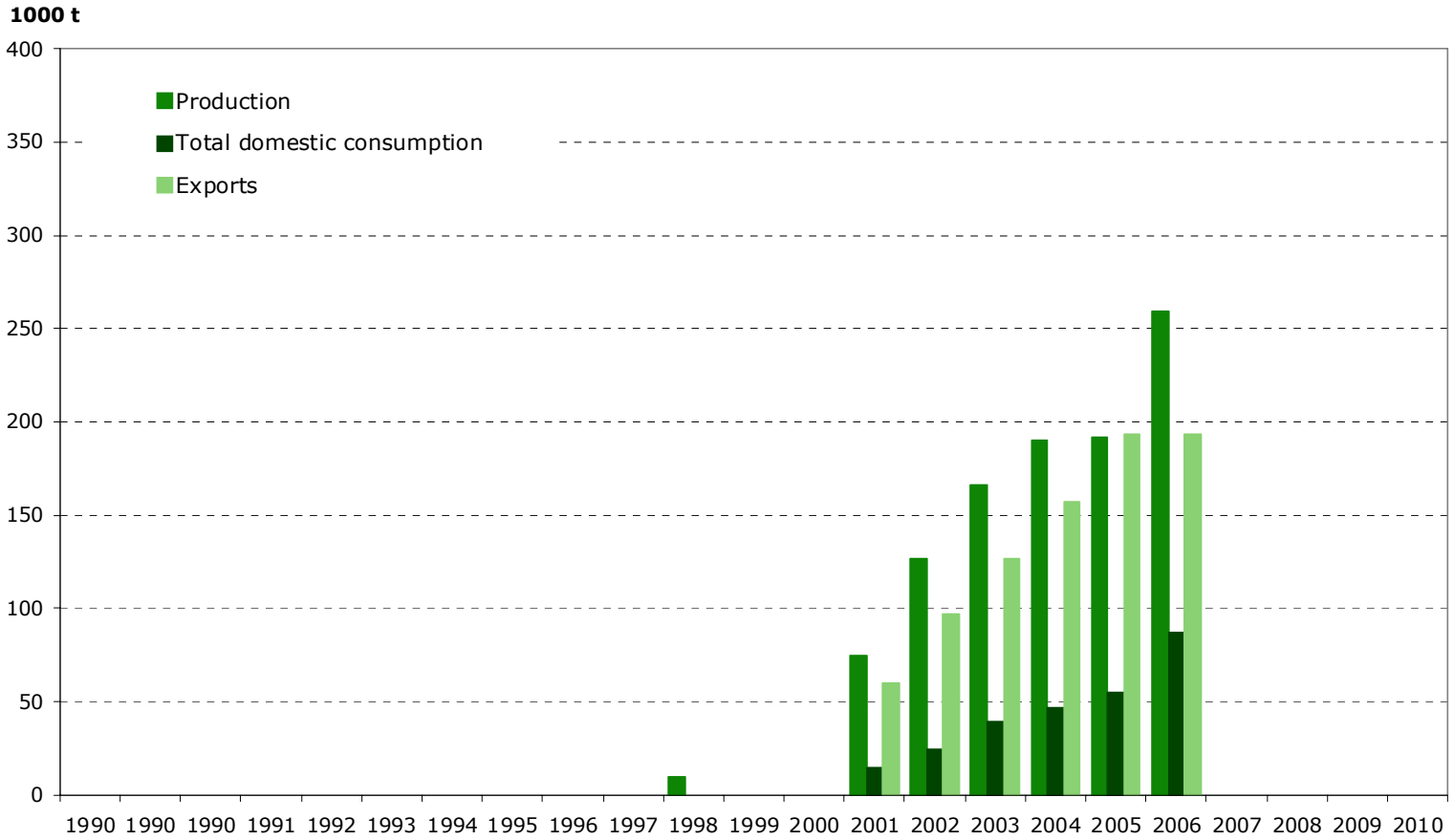
Source: Statistics Finland, Energy Statistics, 1990-2006.

Agricultural Biomass



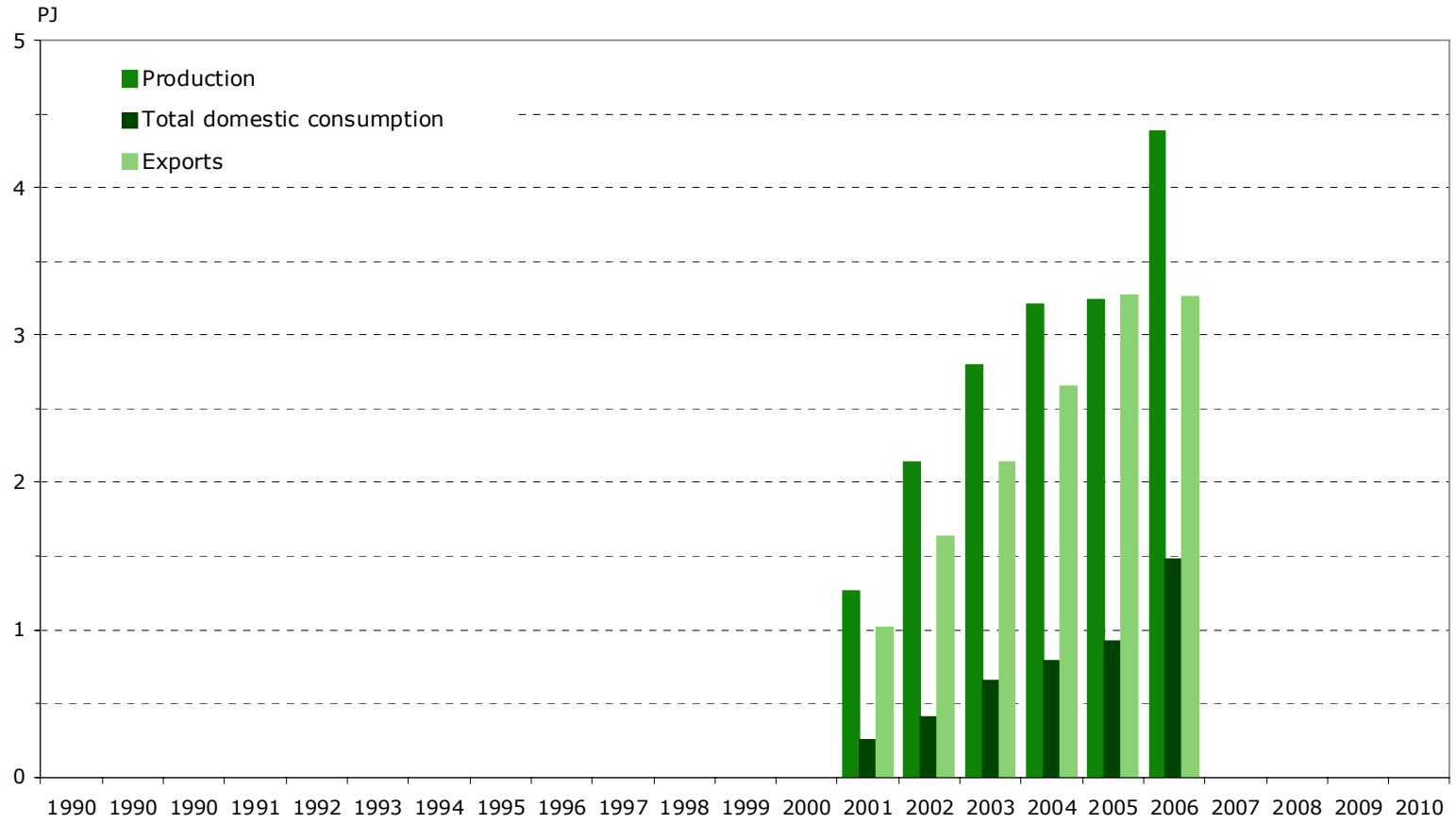
Sources: 2005-2006 data VAPO, 2004 data MTT,
2003 data Juha Poikola/PVO, 2000-2002 data estimated

Wood Pellets – Exports, Domestic Consumption, Production (1000 t)



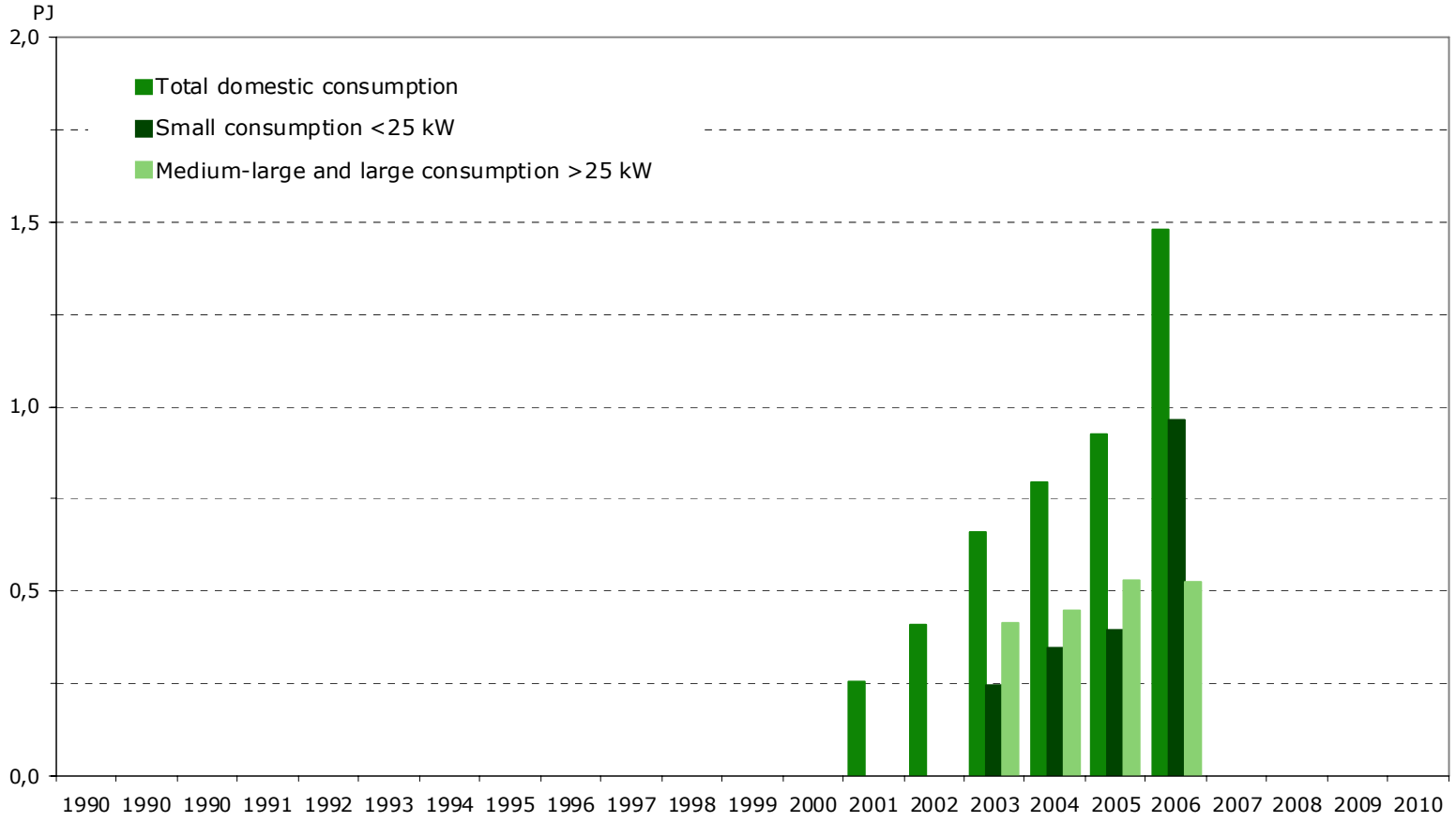
Sources: Statistics Finland, Energy Statistics, 2001-2006

Wood Pellets – Exports, Domestic Consumption, Production



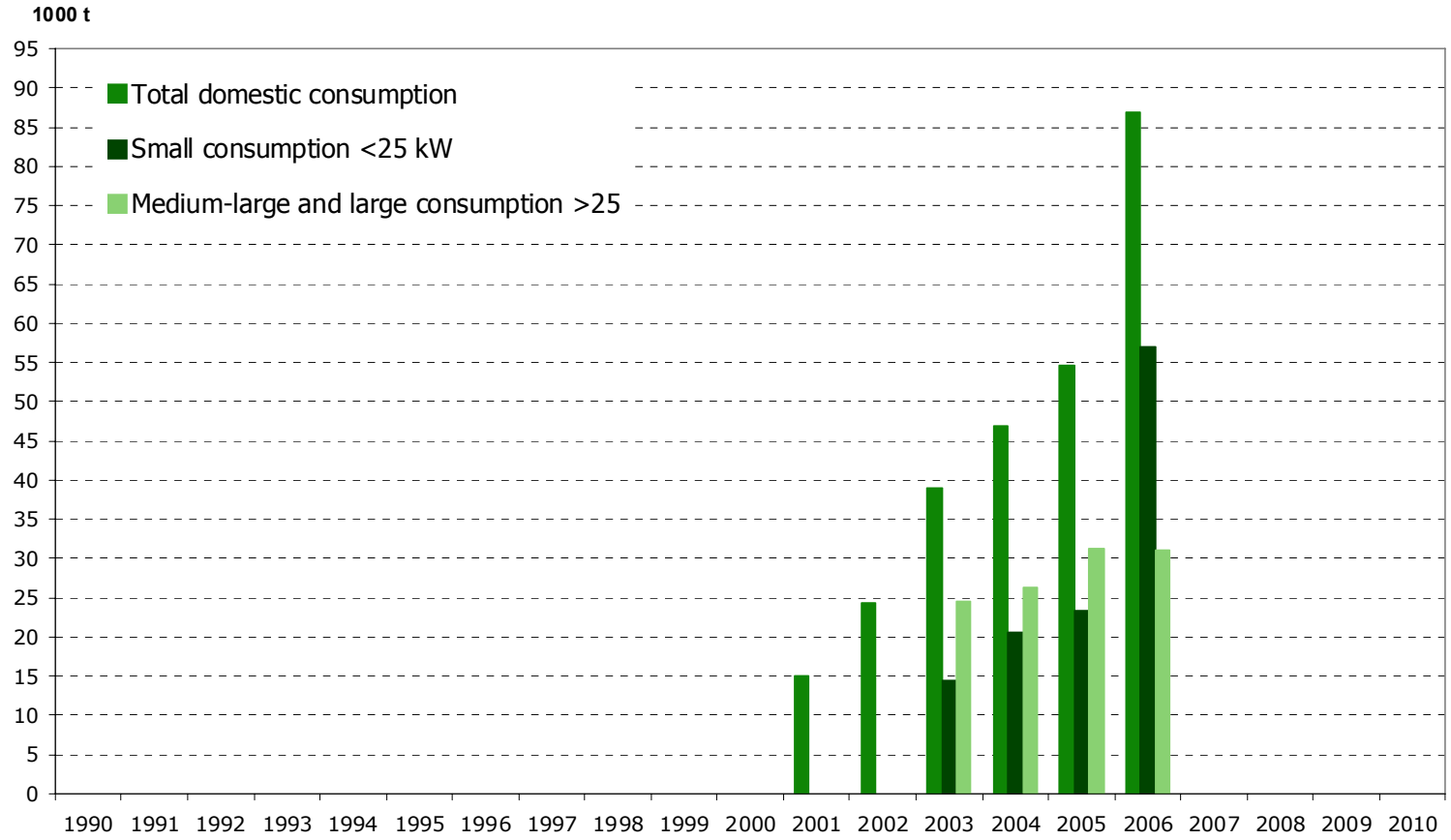
Sources: Statistics Finland, Energy Statistics, 1990-2006

Wood Pellets – Domestic Consumption



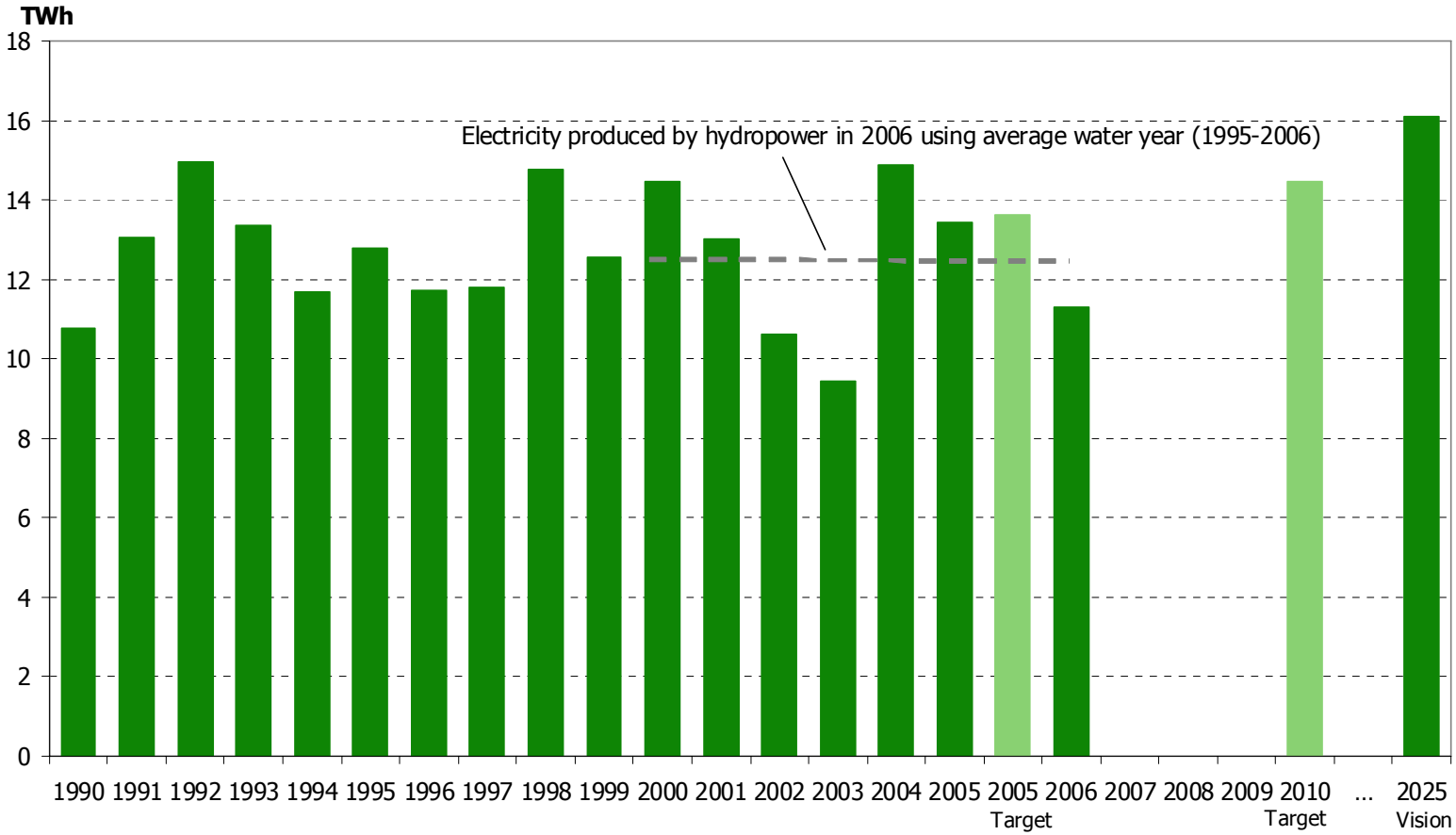
Sources: Statistics Finland, Energy Statistics, 1990-2006

Wood Pellets – Domestic Consumption (1000 t)



Sources: Statistics Finland, Energy Statistics, 1990-2006

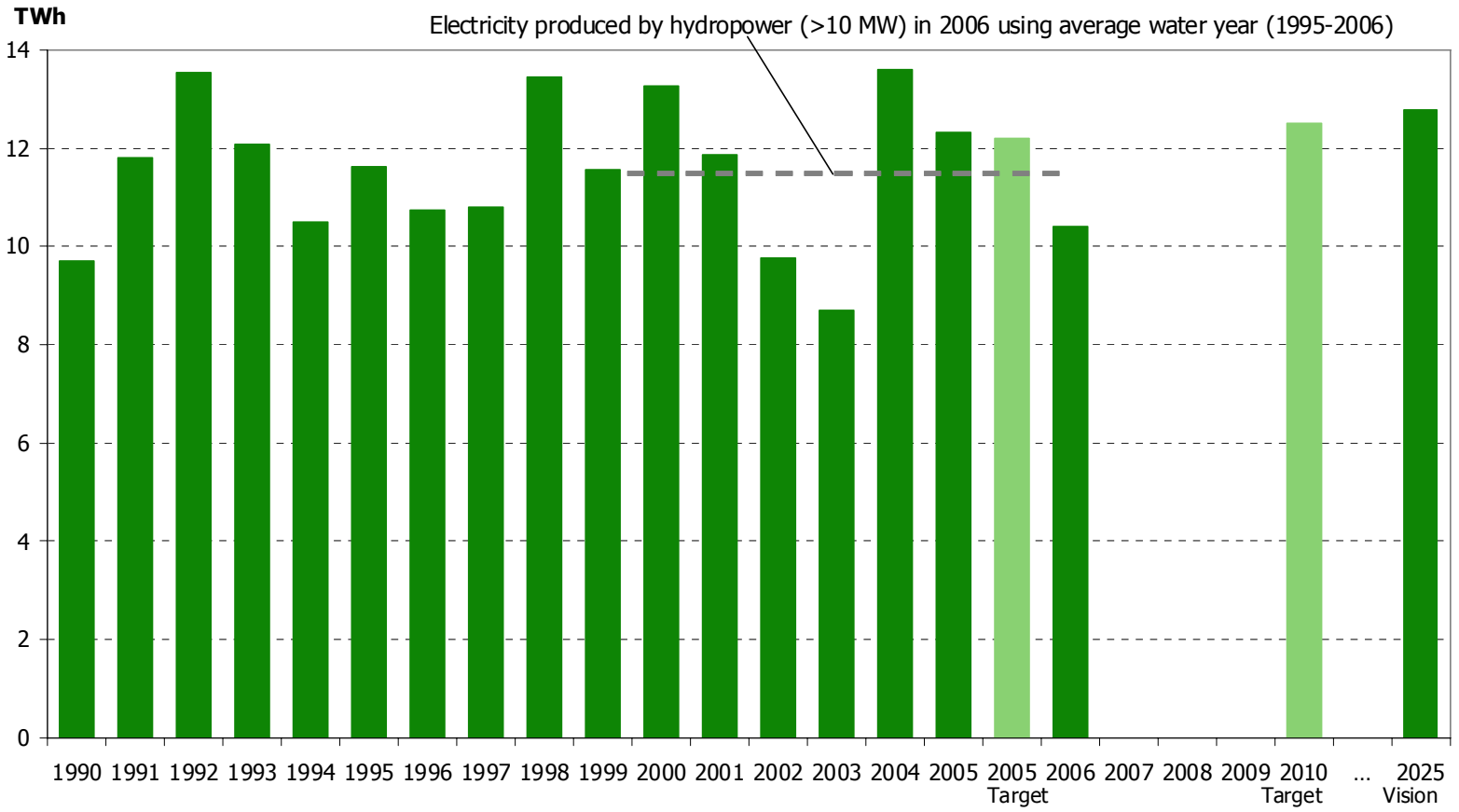
Electricity Produced by Hydropower, Total



Source: Statistics Finland, Energy Statistics, 1990-2006.
Targets are electricity producers' development estimates

1 TWh = 3.6 PJ = 0.086 Mtoe 1 PJ = 0.0239 Mtoe = 0.279

Electricity Produced by Large-Scale Hydropower, (<10 MW)



Source: Statistics Finland, Energy Statistics, 1990-2006.
Targets are electricity producers' development estimates

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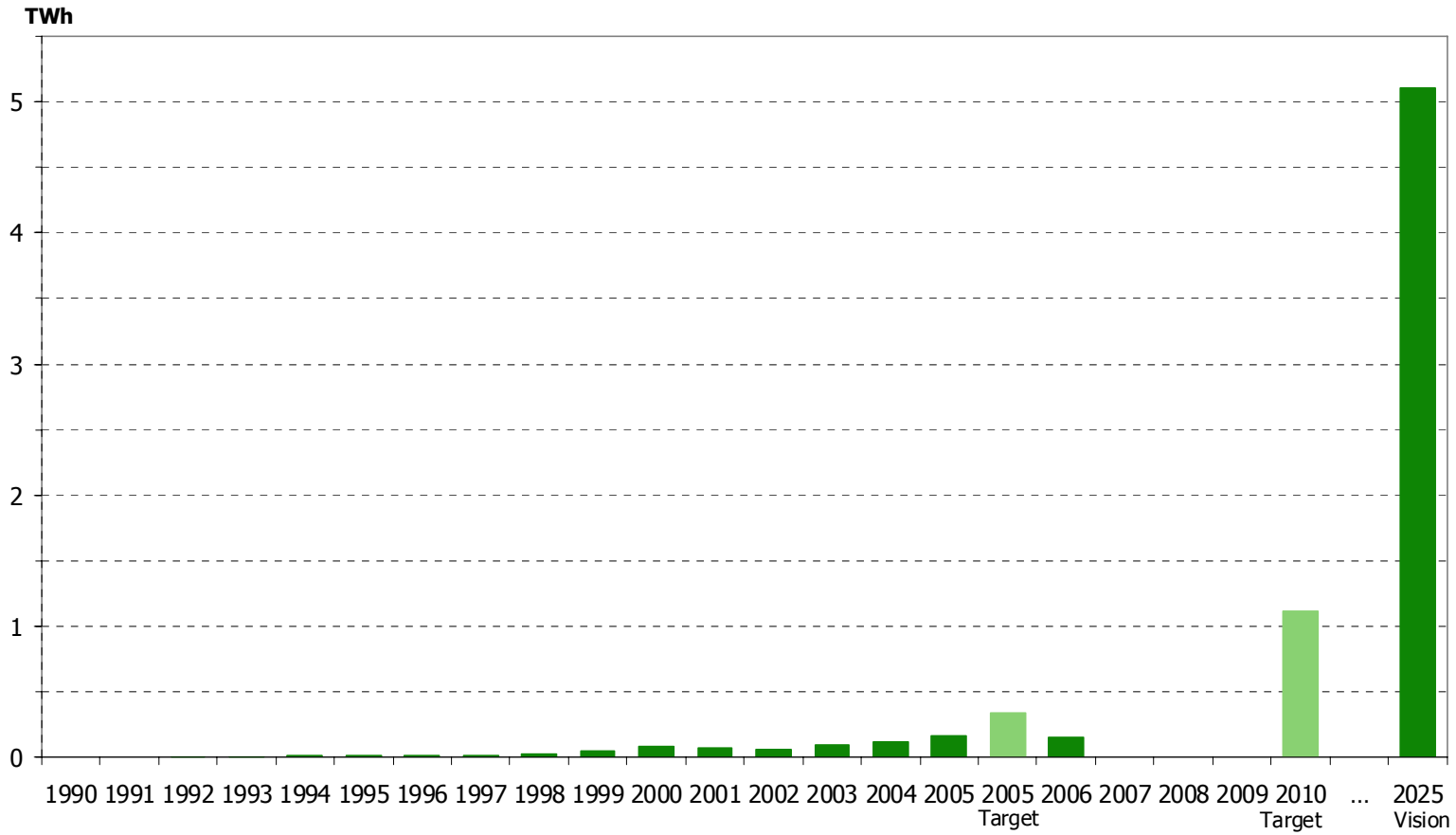
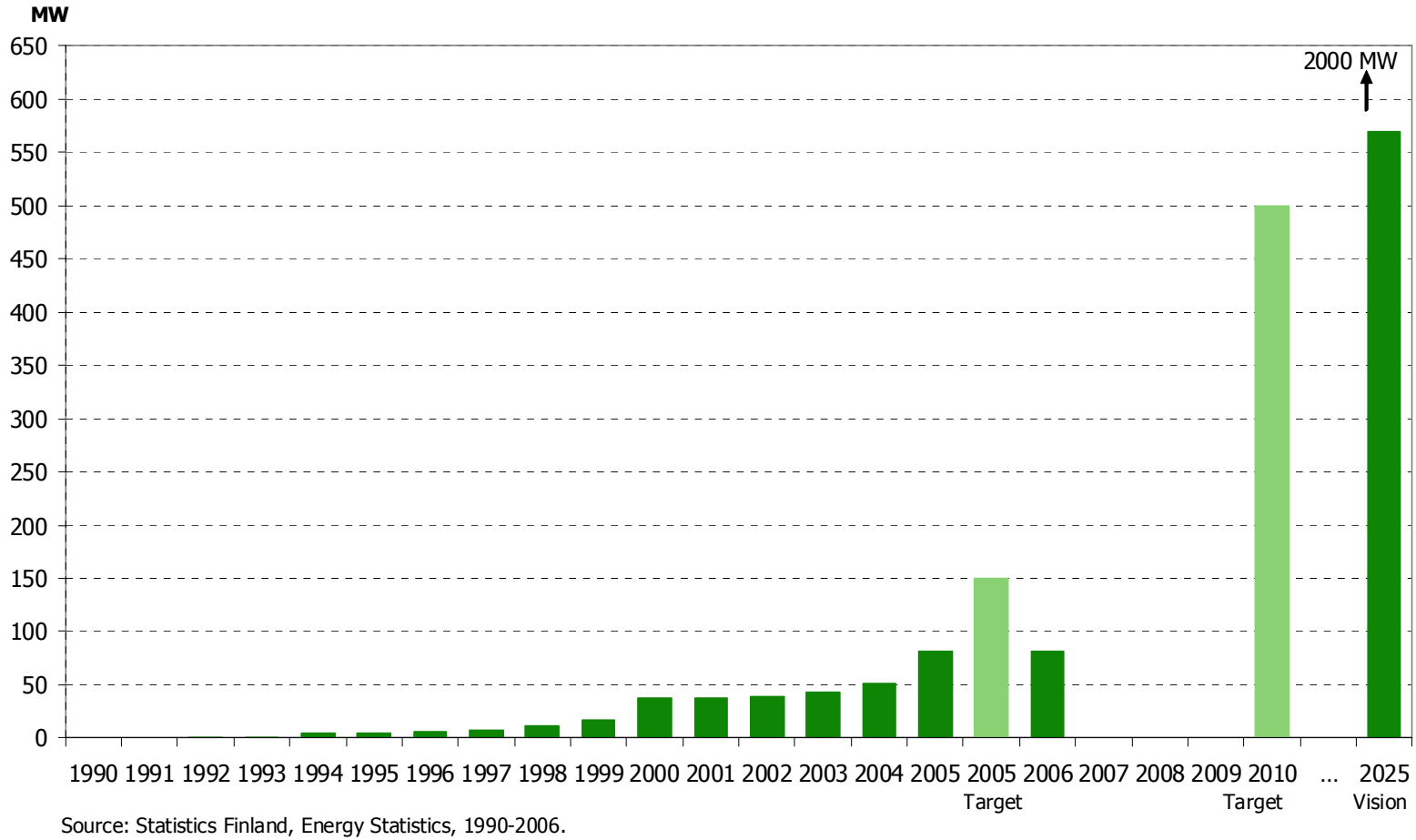
Wind Power Generation



Source: Statistics Finland, Energy Statistics, 1990-2006.

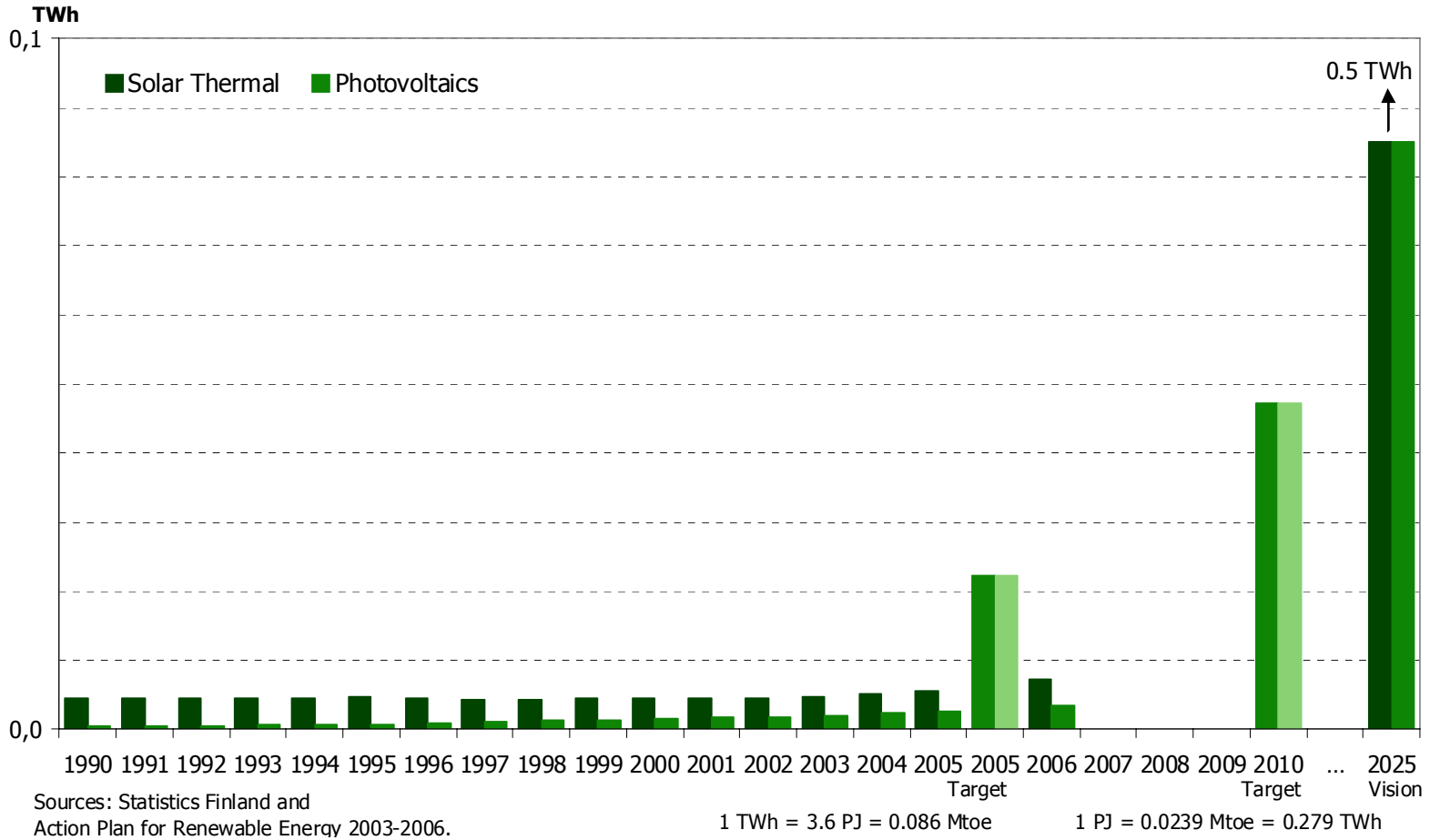
1 TWh = 3.6 PJ = 0.086 Mtoe 1 PJ = 0.0239 Mtoe = 0.279 TWh

Wind Power Capacity, MW



Source: Statistics Finland, Energy Statistics, 1990-2006.

Solar Thermal and Photovoltaics

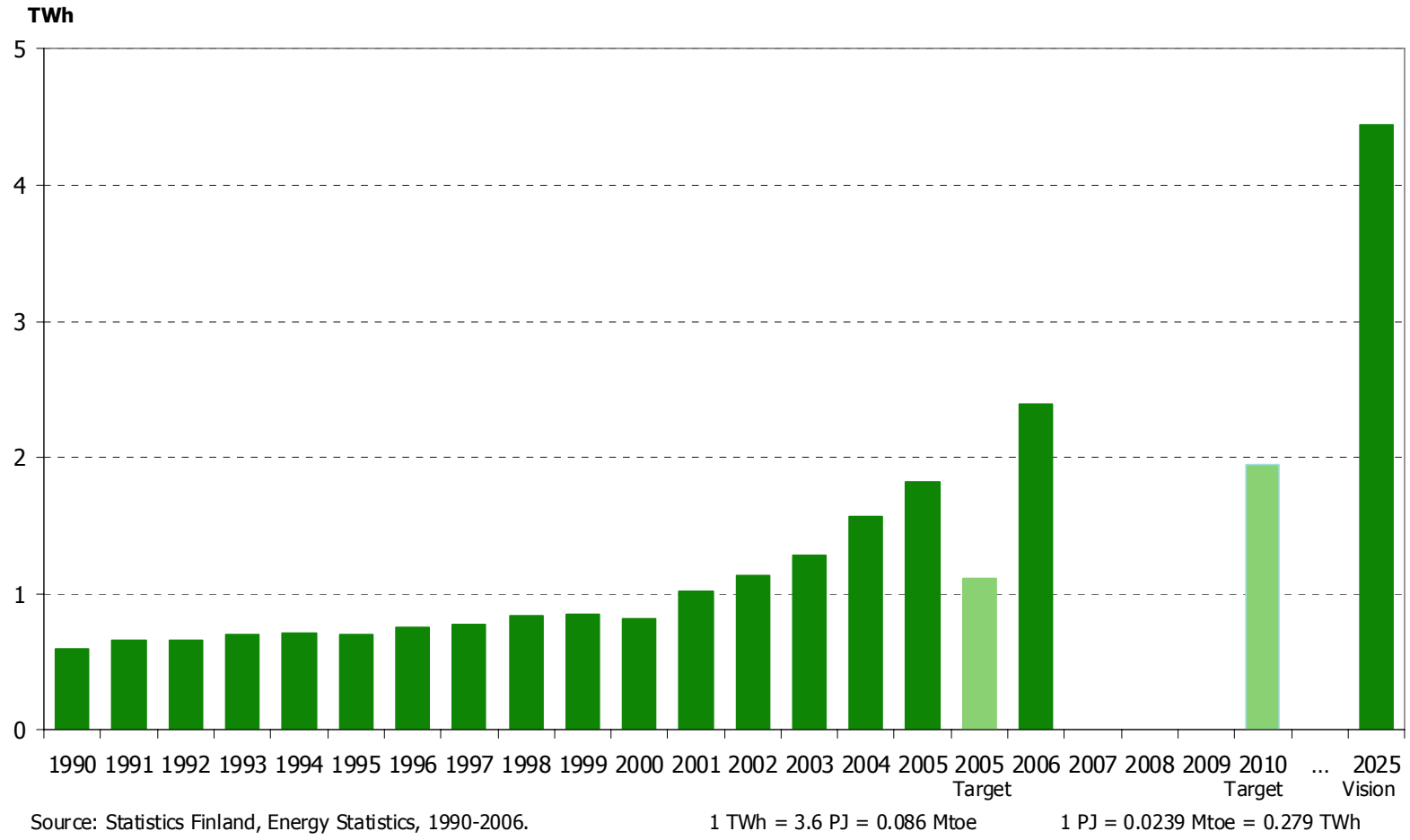


Sources: Statistics Finland and
Action Plan for Renewable Energy 2003-2006.

1 TWh = 3.6 PJ = 0.086 Mtoe

1 PJ = 0.0239 Mtoe = 0.279 TWh

Heat Pumps

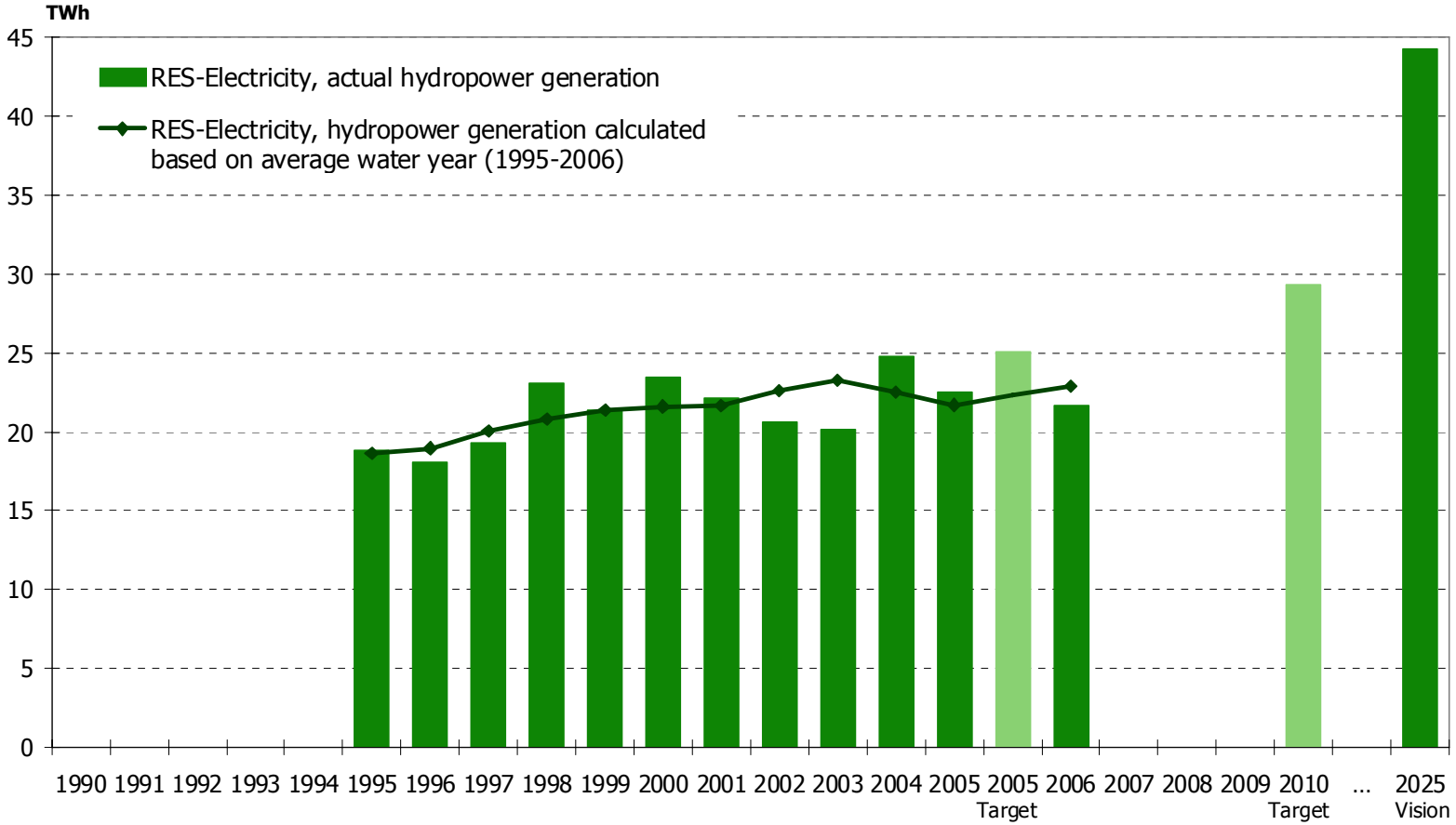


Source: Statistics Finland, Energy Statistics, 1990-2006.

1 TWh = 3.6 PJ = 0.086 Mtoe

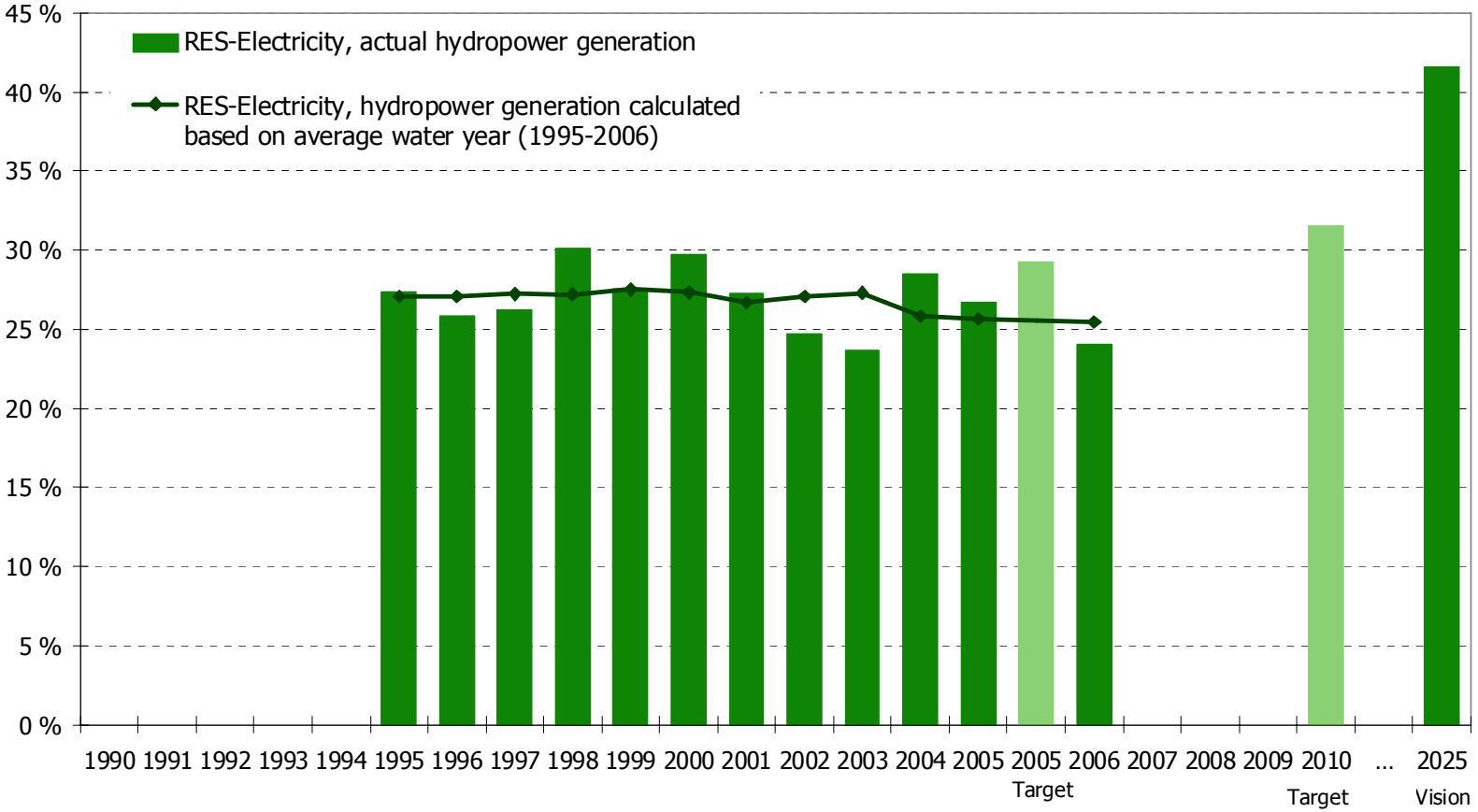
1 PJ = 0.0239 Mtoe = 0.279 TWh

RES-Electricity, Total



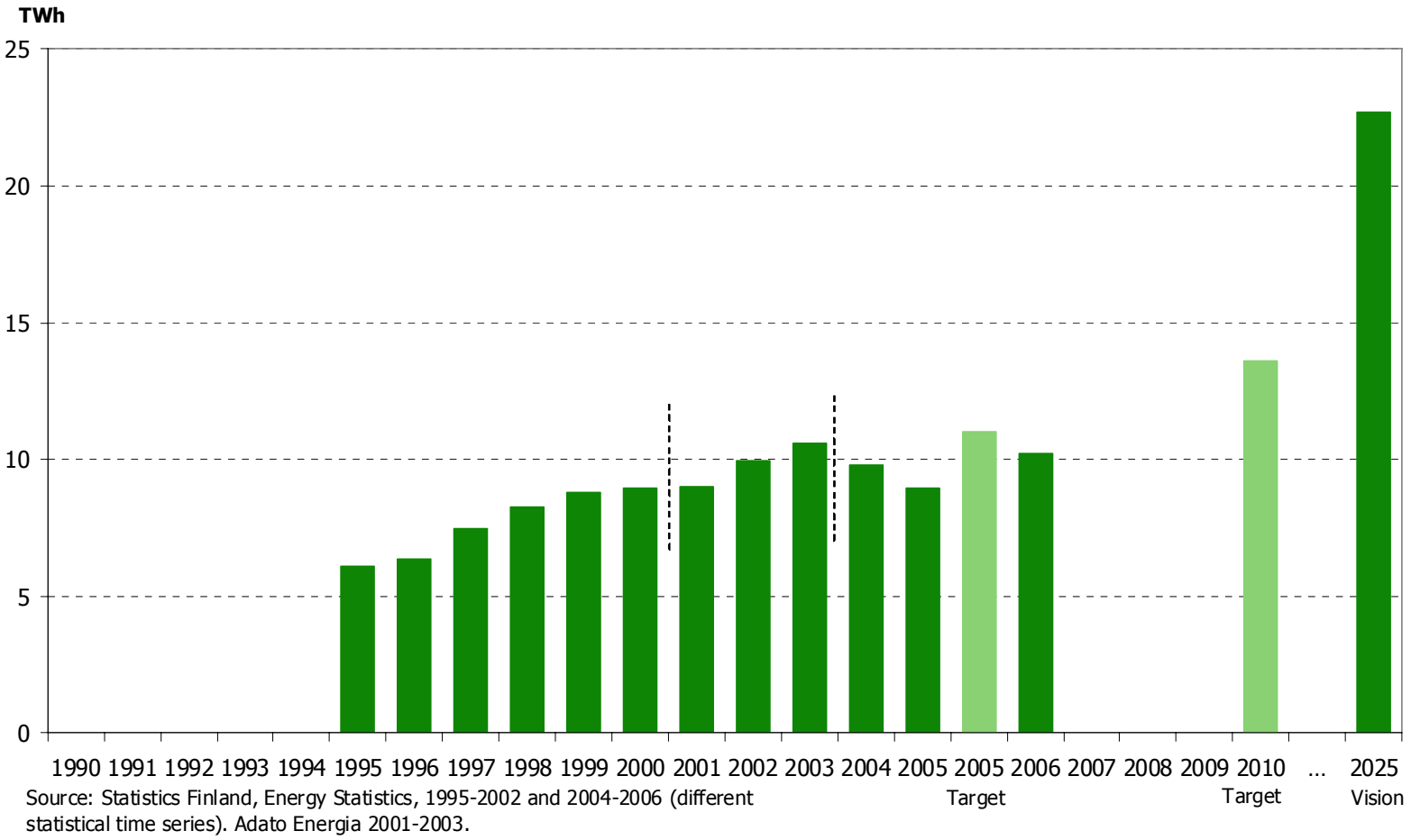
Source: Statistics Finland, Energy Statistics, 1990-2006.

Share of RES-Electricity of Total Electricity Consumption



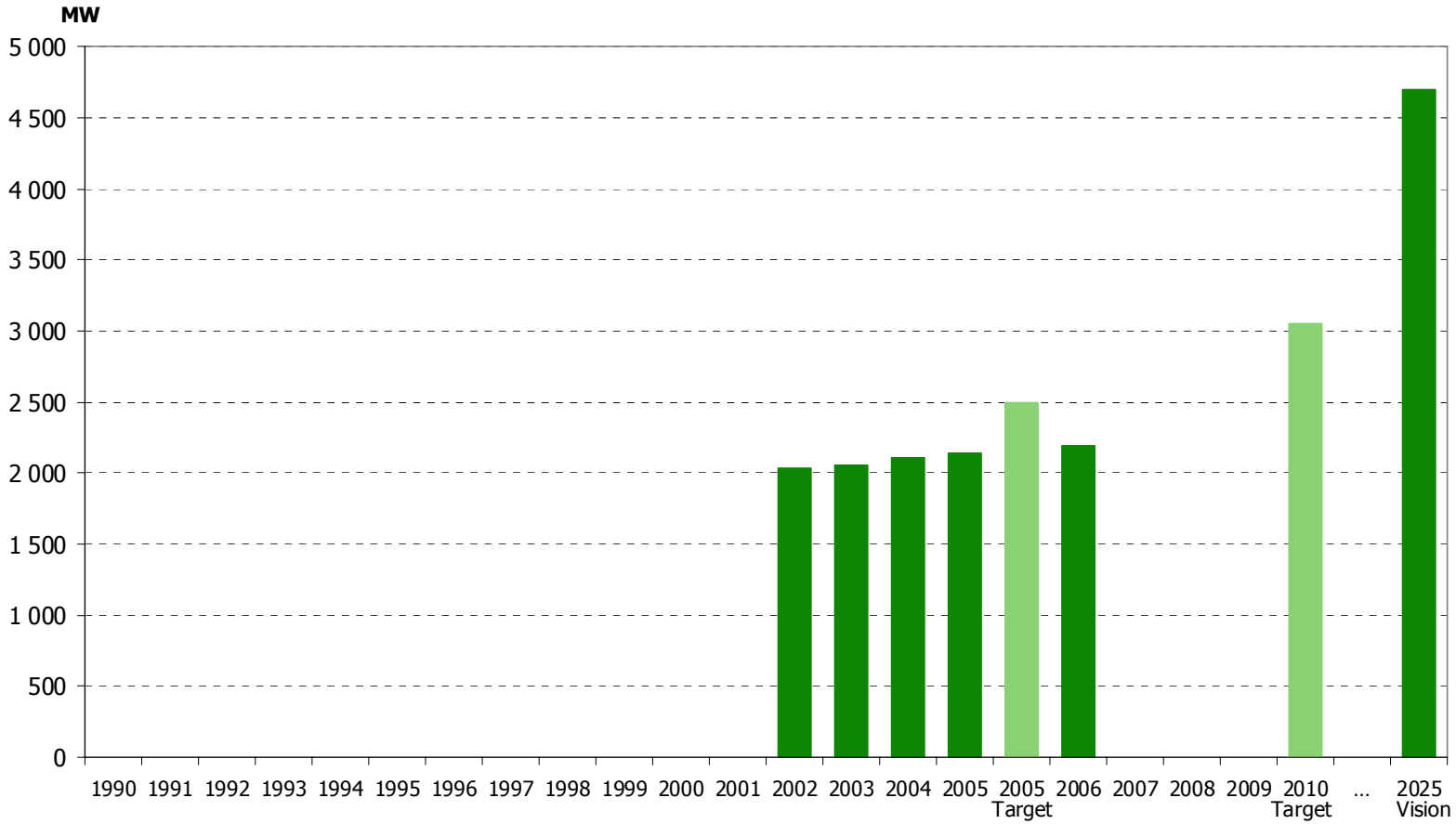
Source: Statistics Finland, Energy Statistics, 1990-2006.

Electricity Produced by Bioenergy



Source: Statistics Finland, Energy Statistics, 1995-2002 and 2004-2006 (different statistical time series). Adato Energia 2001-2003.

Electricity Generation Capacity by Bioenergy, MW



Source: Statistics Finland, Energy Statistics, only 2002-2006 data available.