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KOMMUNIKATSIOONI-
MINISTEERIUM

National Renewable Energy Action Plan

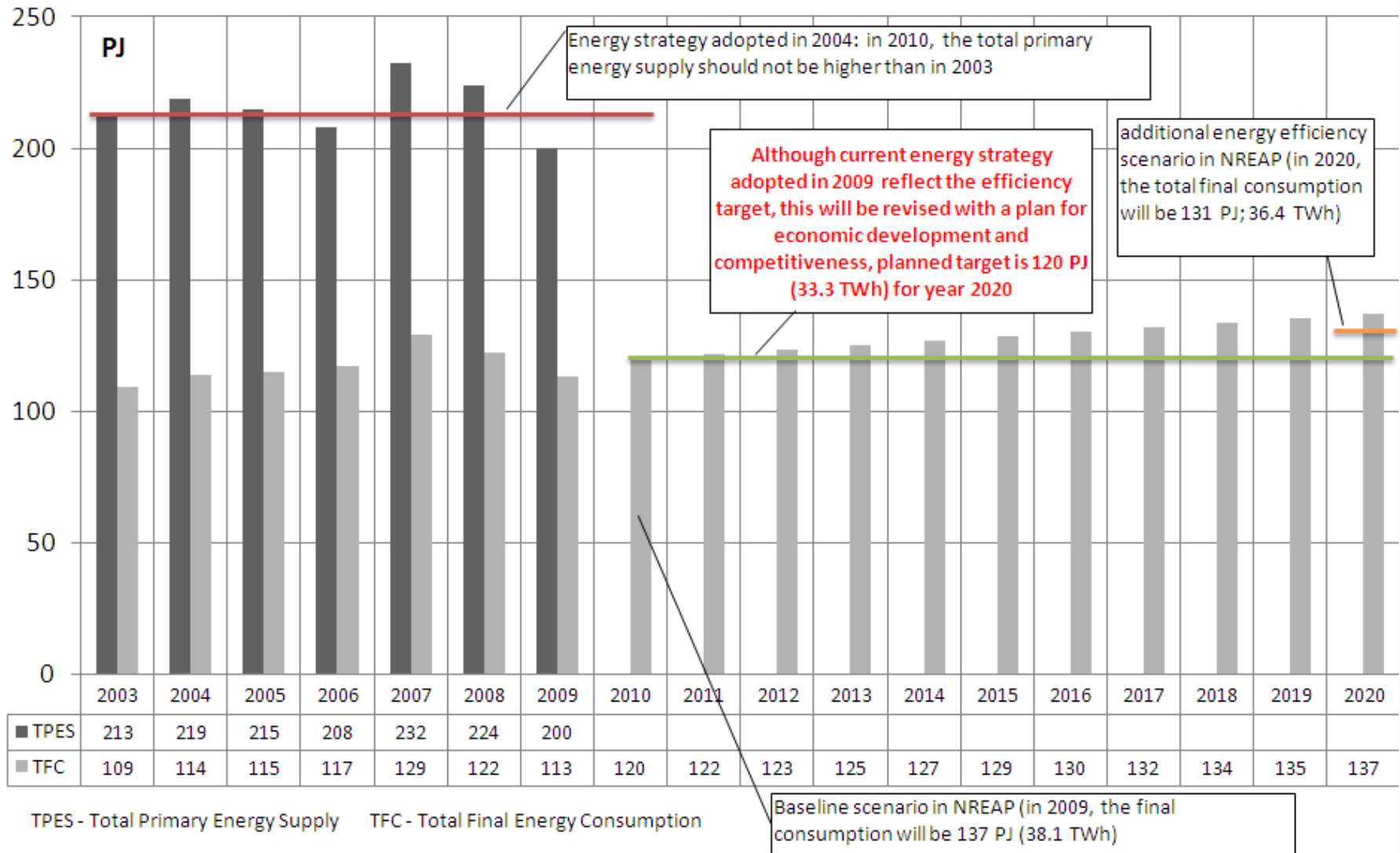
Estonia

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Communications

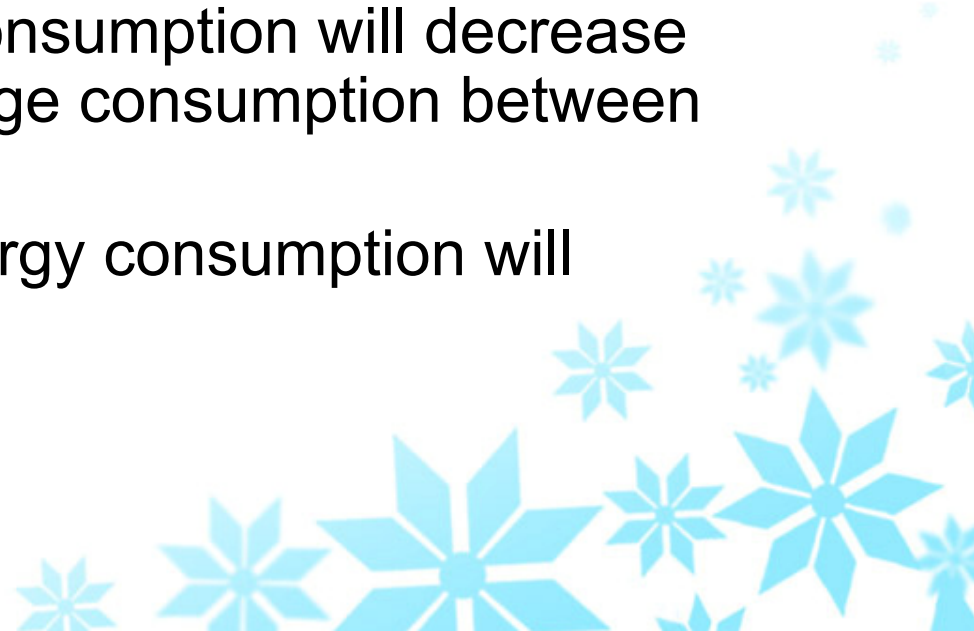


Estimates of final consumption and targets of energy efficiency policy

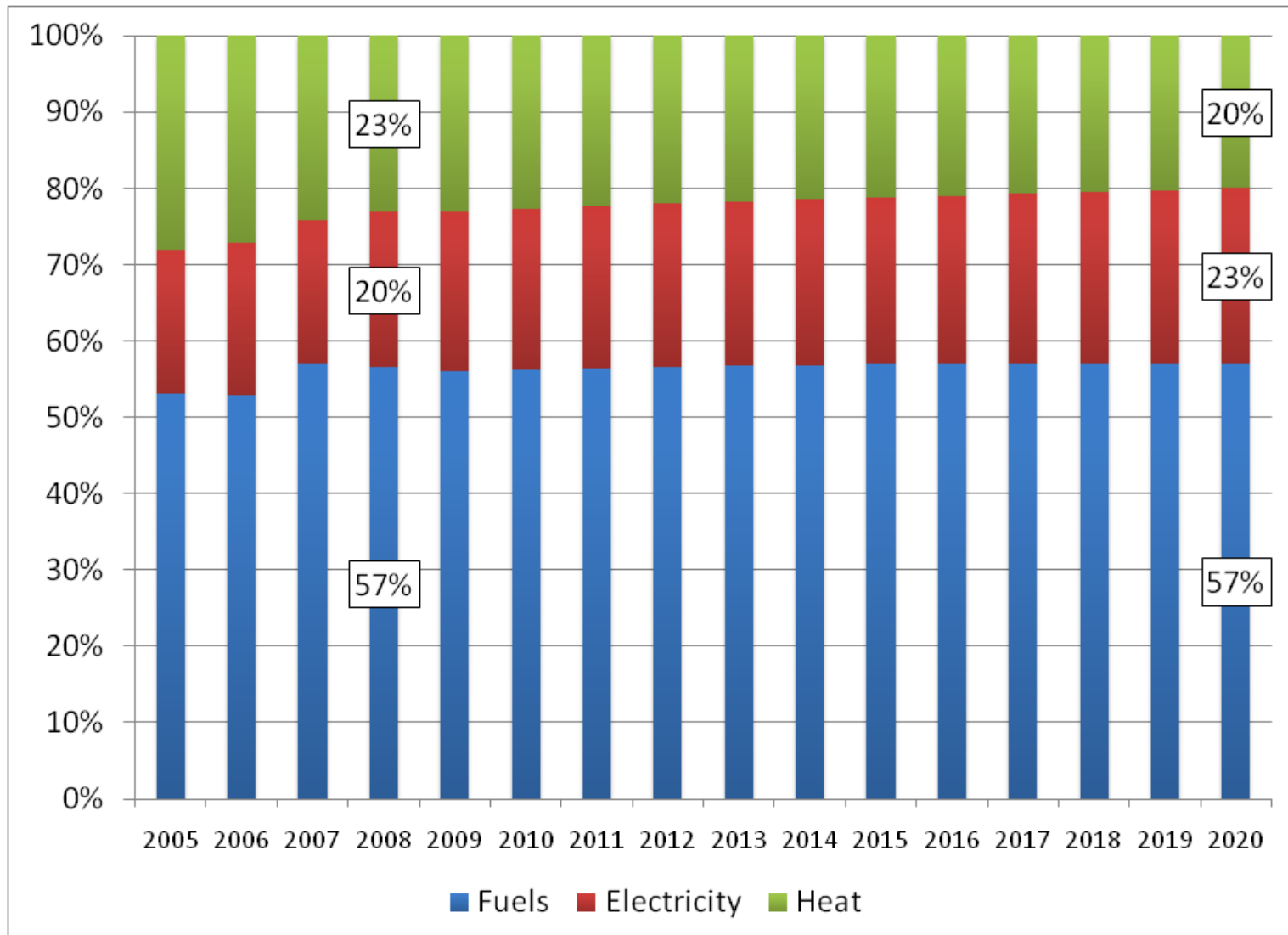


Estimates of the energy consumption

- total final consumption will increase by 8.4% compared to average consumption between 2005 and 2008
- largest growth is expected in industry sector (24%), in agriculture the energy consumption will grow 17%, transport 13% and in services sector 2.5% compared to average consumption between 2005 and 2008
- in households, energy consumption will decrease 1.7% compared to average consumption between 2005 and 2008
- in energy sector, the energy consumption will decrease 3%.



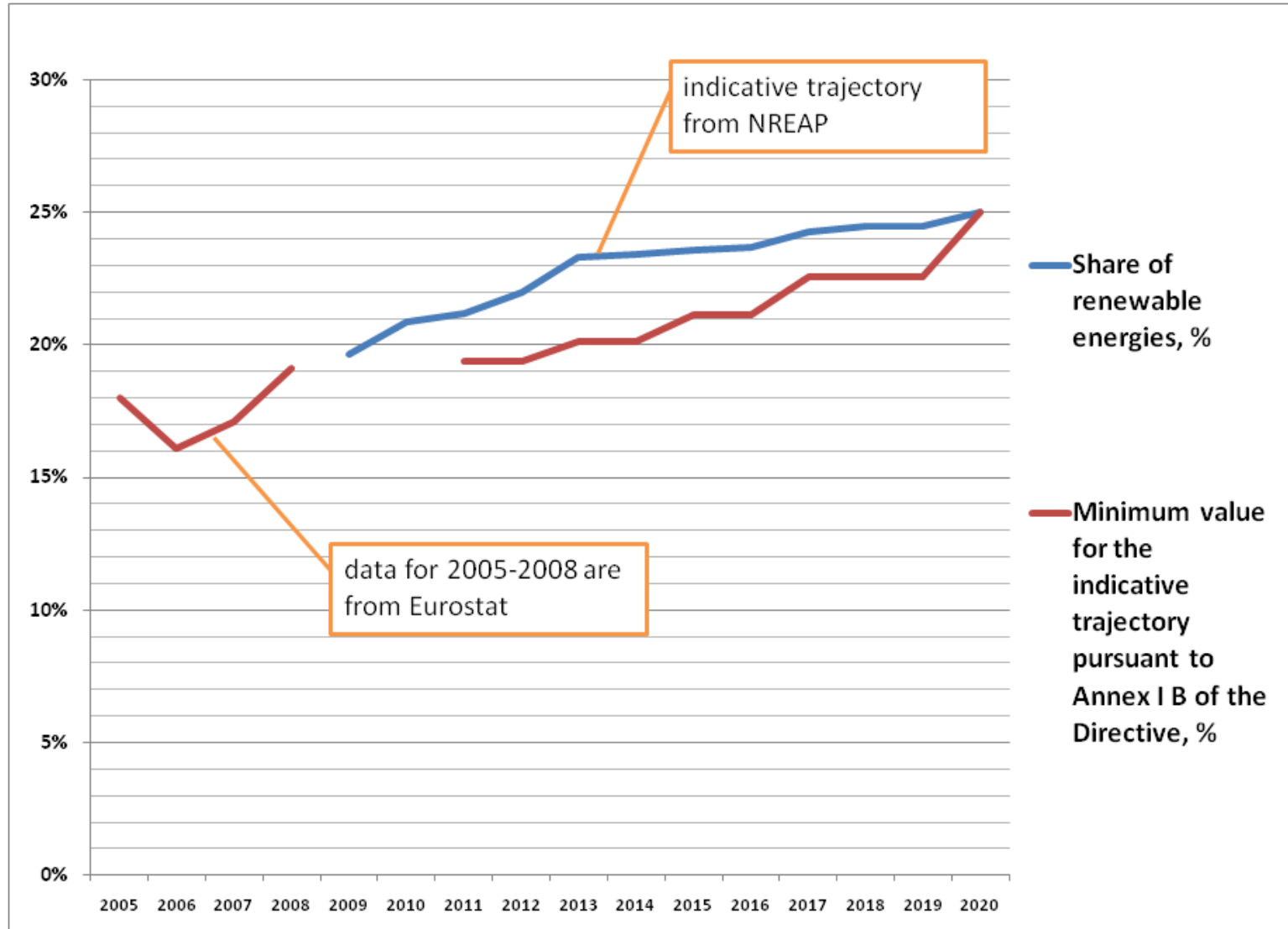
Expected changes in structure of energy consumption



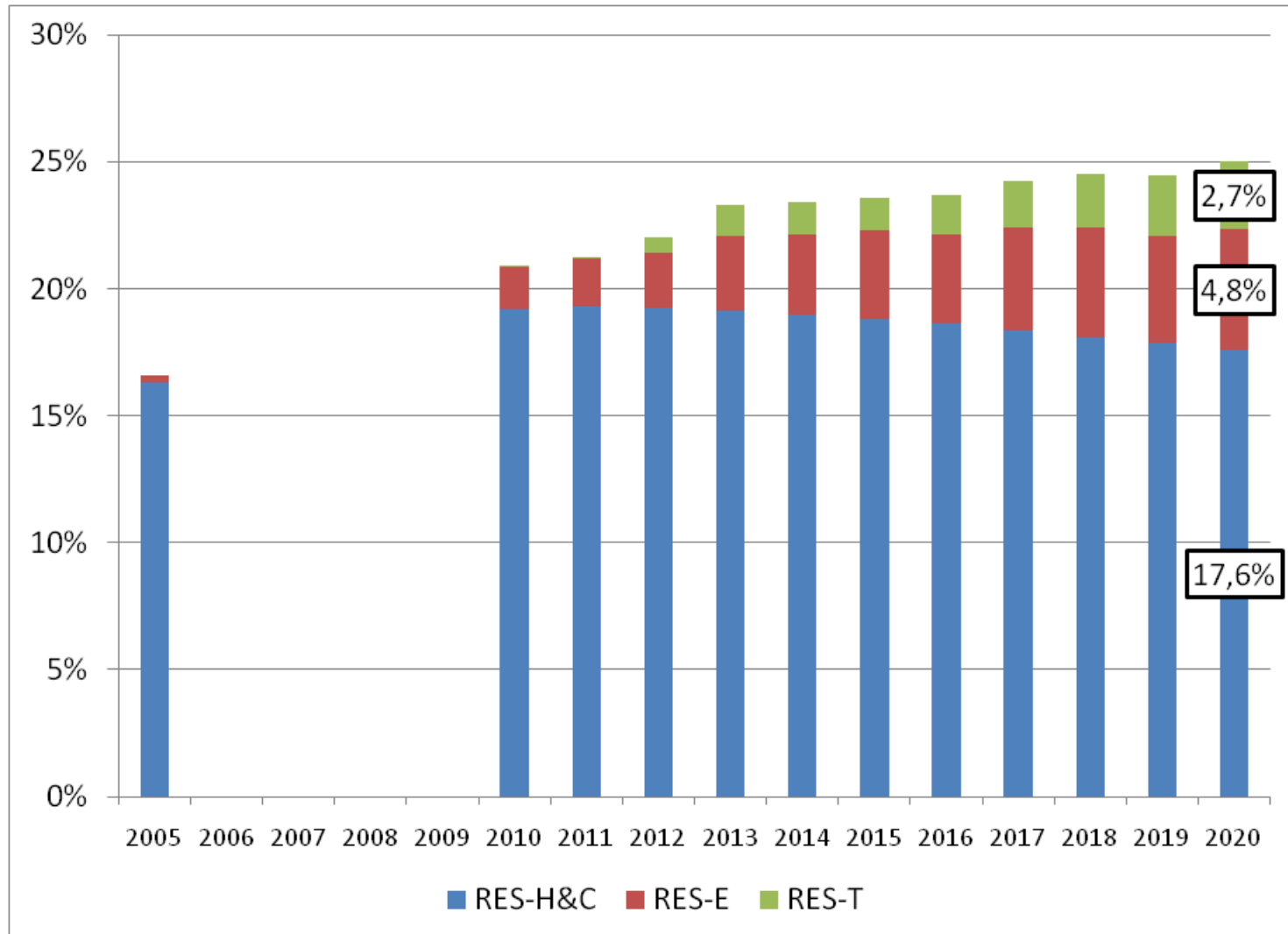
National overall target

A) Share of energy from renewable sources in gross final consumption of energy in 2005 (S_{2005}) (%)	18
(B) Target of energy from renewable sources in gross final consumption of energy in 2020 (S_{2020}) (%)	25
(C) Expected total adjusted energy consumption in 2020, (ktoe)	3 451
(D) Expected amount of energy from renewable sources corresponding to the 2020 target (calculated as B x C), (ktoe)	863

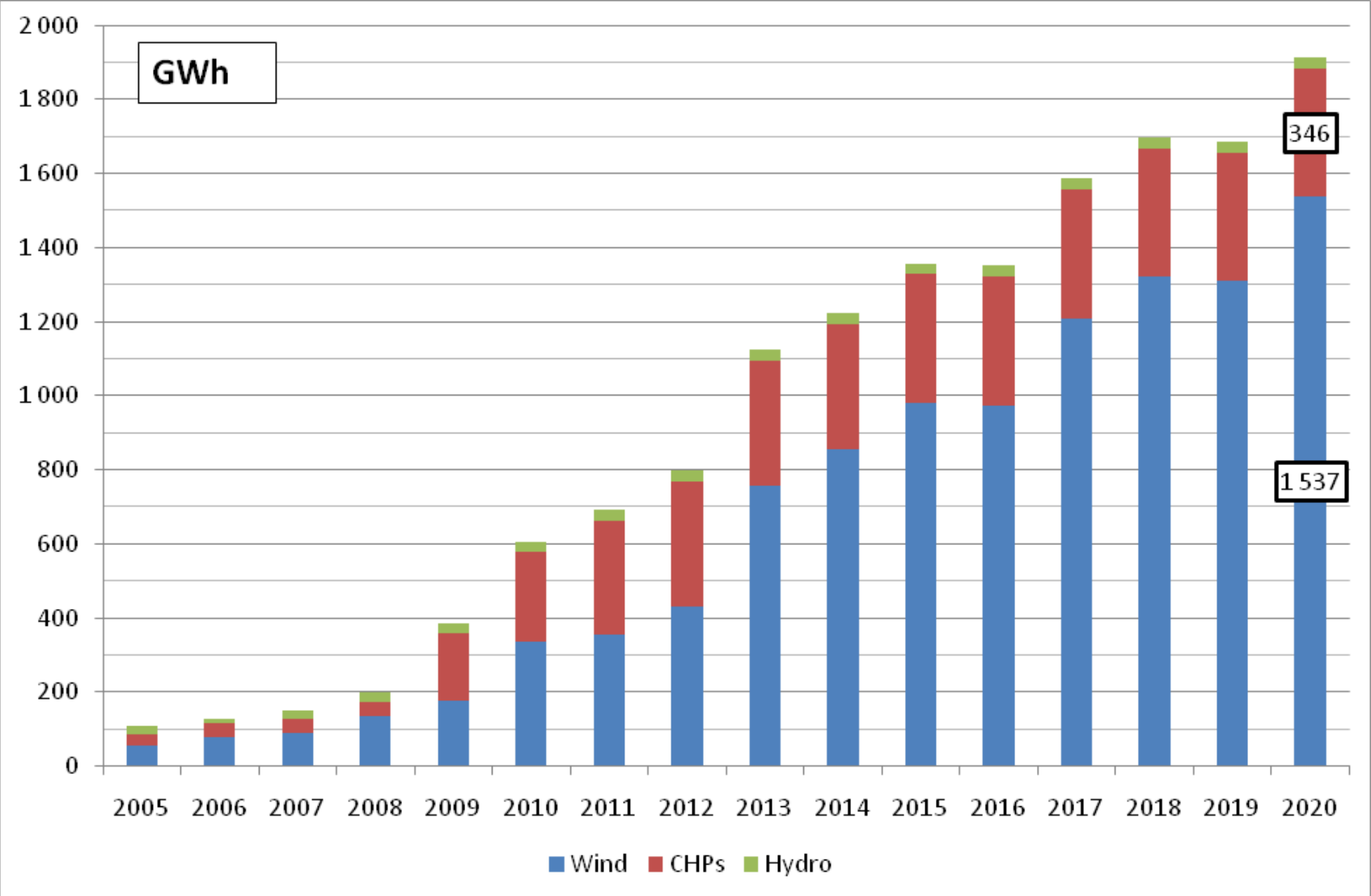
Achieving national target



Achieving national target



Electricity generation from renewables



Measures to promote RES-E generation

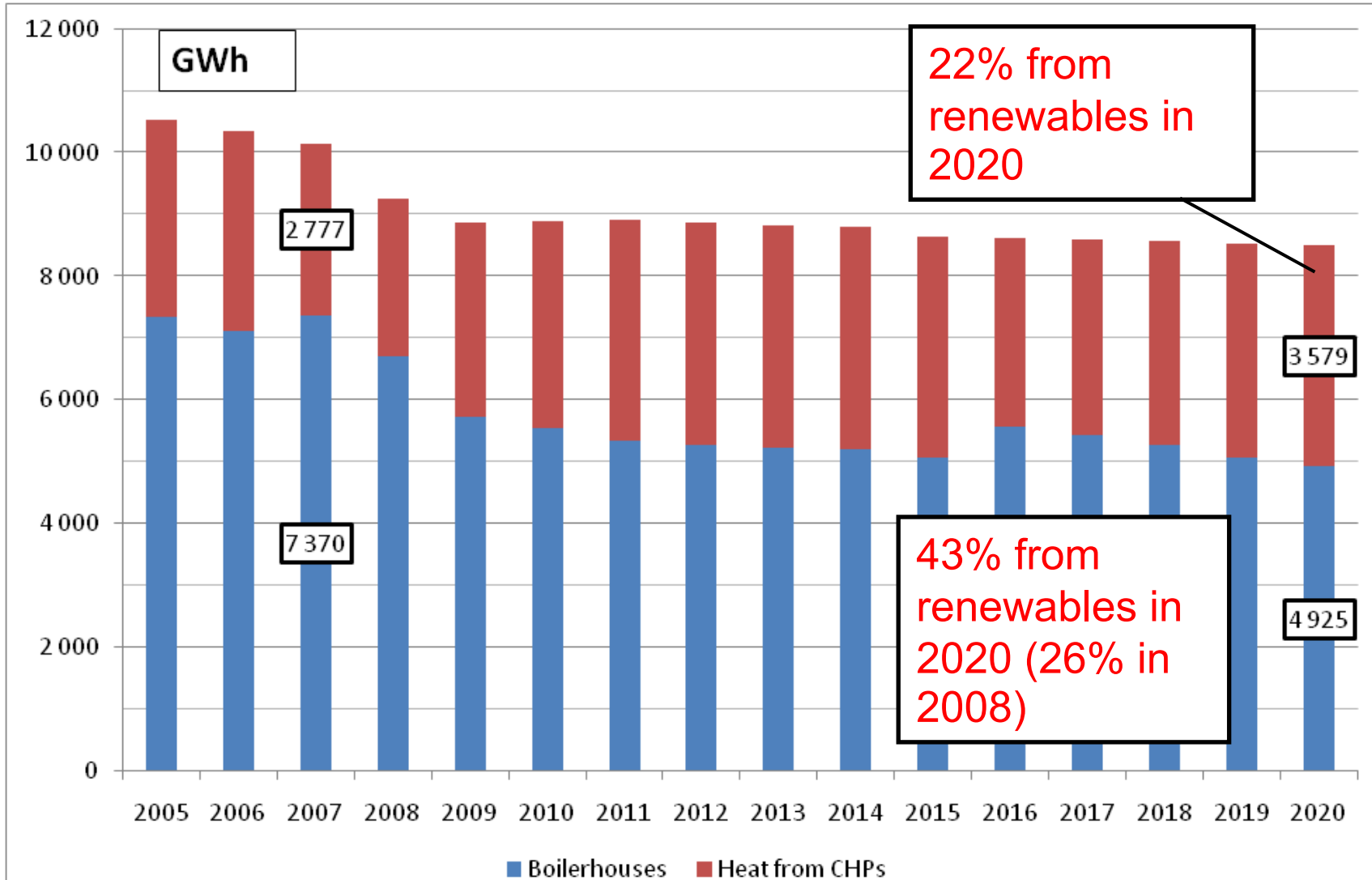
- Premium tariff support scheme (premium tariff 53.7 €/MWh + market price ~50 €/MWh), available for 12 years
 - for RES-E generation in CHPs unlimited support
 - for wind, support is available until 600 GWh is generated during the calendar year
- Investment support schemes
 - for installation of wind energy capacities, first call of proposals ~30 MW;
 - for small CHPs (biogas, biomass) less than 2 MW_{el}
- Wind energy support scheme extensions probably needed for additional 300 MW, in total 650 MW needed

Measures to promote RES-E generation

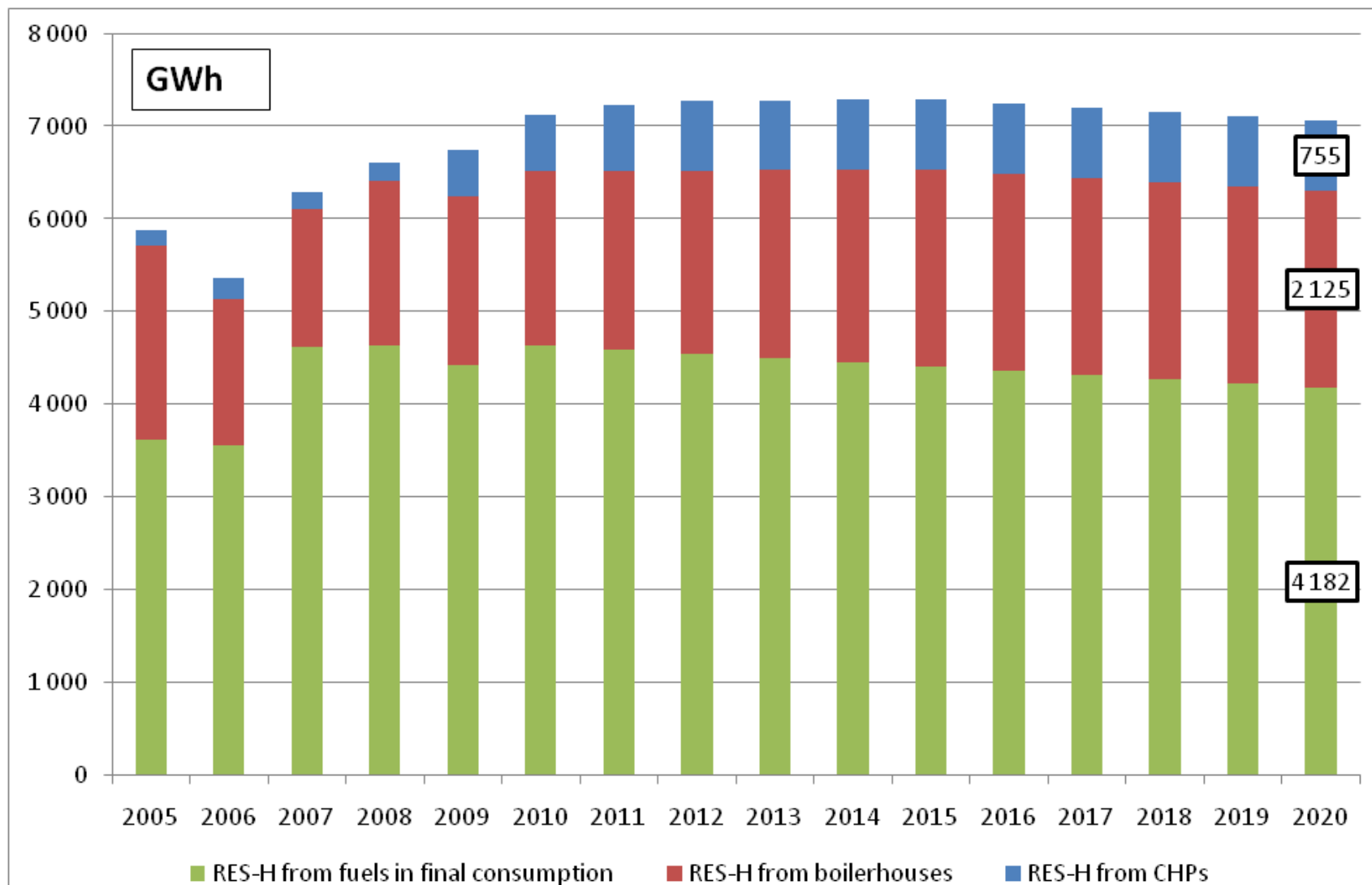
- Investment support scheme for offshore wind farms
 - the use of use of flexibility mechanisms is envisaged
- Development of the grids
- Measures to streamline planning of offshore wind farms



Heat generation in boilerhouses and CHPs



Heating and cooling from renewables



Measures to promote RES-H generation

- Fuel excises discourage the use of fossil fuels and promote conversion to RES in boilerhouses
- Investment support schemes for boilerhouses
- Long-term contracts for heat suppliers using domestic fuels (principle adopted recently in the District Heating Act)



Measures to promote RES-H generation

- Support to renovation of buildings
- Application of heat pumps in small buildings (without governmental support)
- Energy performance requirements for buildings promote use of RES in buildings



Measures to promote RES in transport

- Biofuels in transport in 2009 – 26 TJ
- In 2020 – 3912 TJ (93 ktoe)
- Blending of all transport fuels sold in the market as of 2012
- Should be complemented with measures to increase a fuel efficiency of cars
- Application of public transport fleet capable to use pure biofuels or other RES



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