



REPUBLIC OF ESTONIA
MINISTRY OF ECONOMIC AFFAIRS
AND COMMUNICATIONS

Estonian Energy Targets for Building Renovation

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National Energy Policy

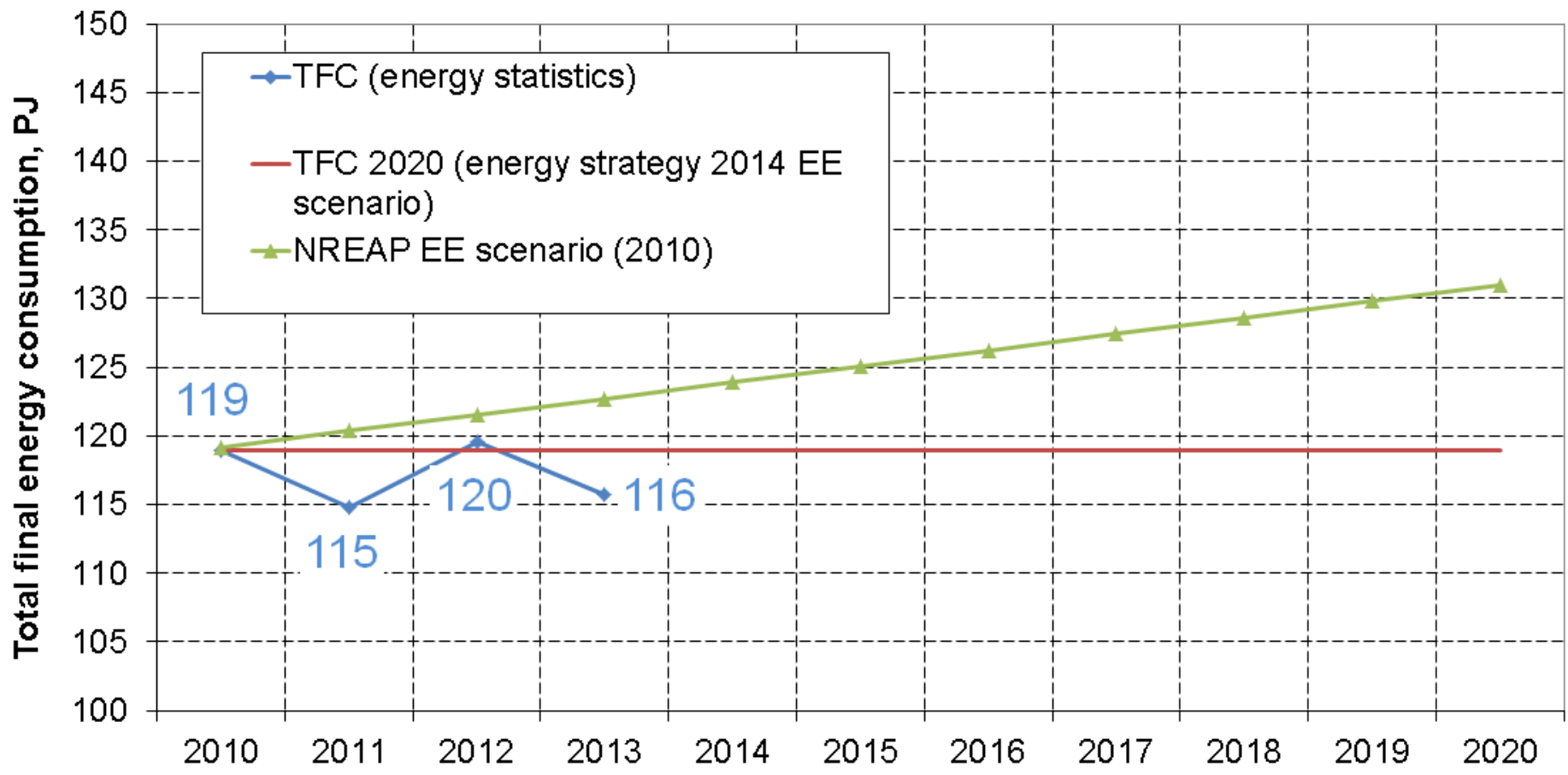
- Adopted in Parliament June 2009
- Key issues for Estonia
 - Security of electricity supply, reduction of carbon intensity on power generation mix
 - Future of domestic oil shale power generation
 - Oil shale mining and shale oil production
 - Diversification of natural gas supply sources
 - Opening of electricity market
 - More efficient energy consumption
 - Higher share of renewable energy

National housing policy

- Adopted in 2008 by the Government
 - Accessibility of dwelling spaces
 - Residential building stock
 - Improving quality and energy efficiency of residential building stock
 - Improving awareness on management of residential building stock
 - Mapping of residential building stock
 - Living environment

Targets for energy efficiency and for building energy renovation

- The EE policy target is stabilisation of final energy consumption in 2020 at the level of 2010
- In 2010, the Total Final Consumption of energy in Estonia was 119 PJ
 - No specific targets for individual subsectors or activities
 - Indicators for the measures: expected levels of the indicators are set

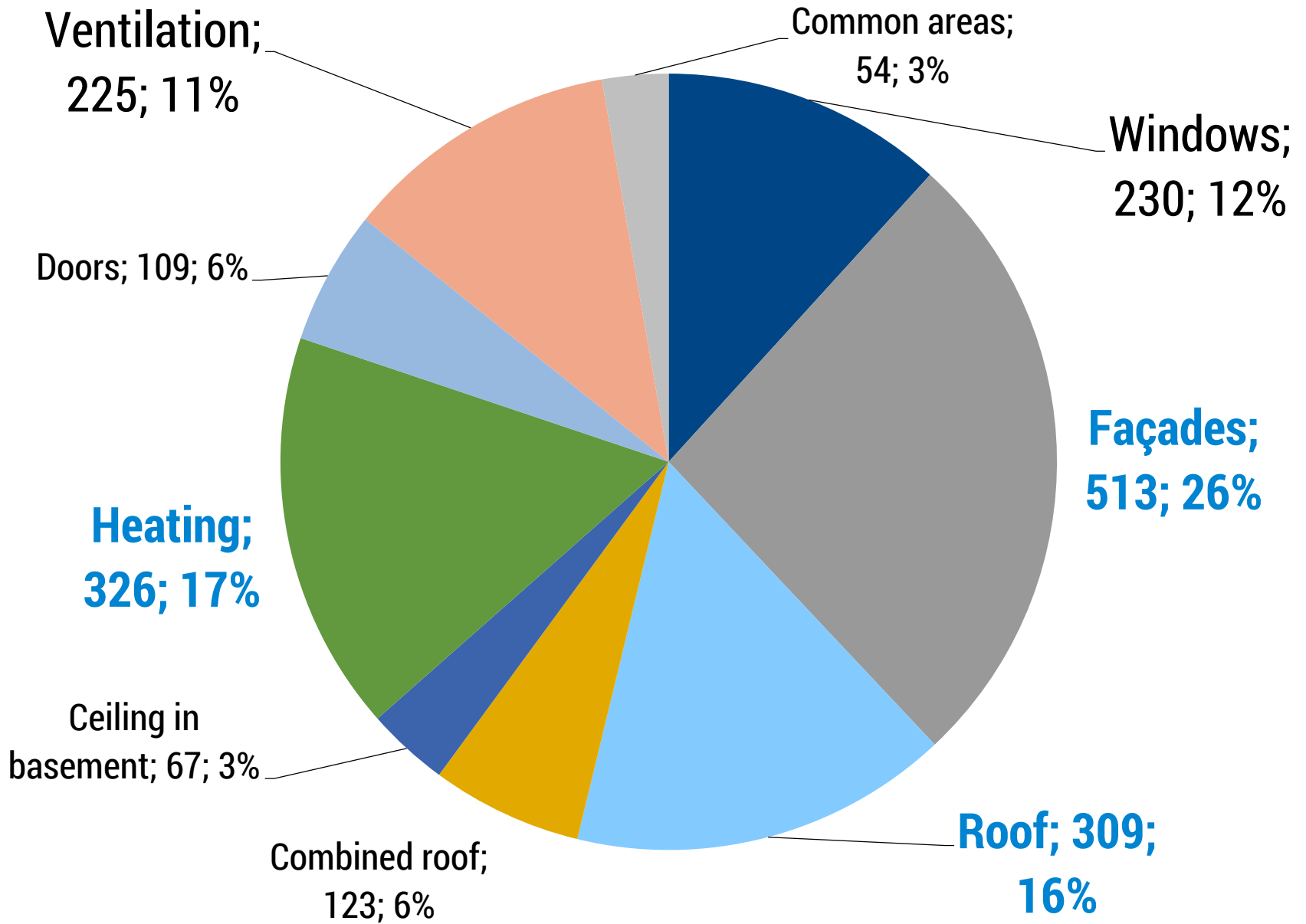


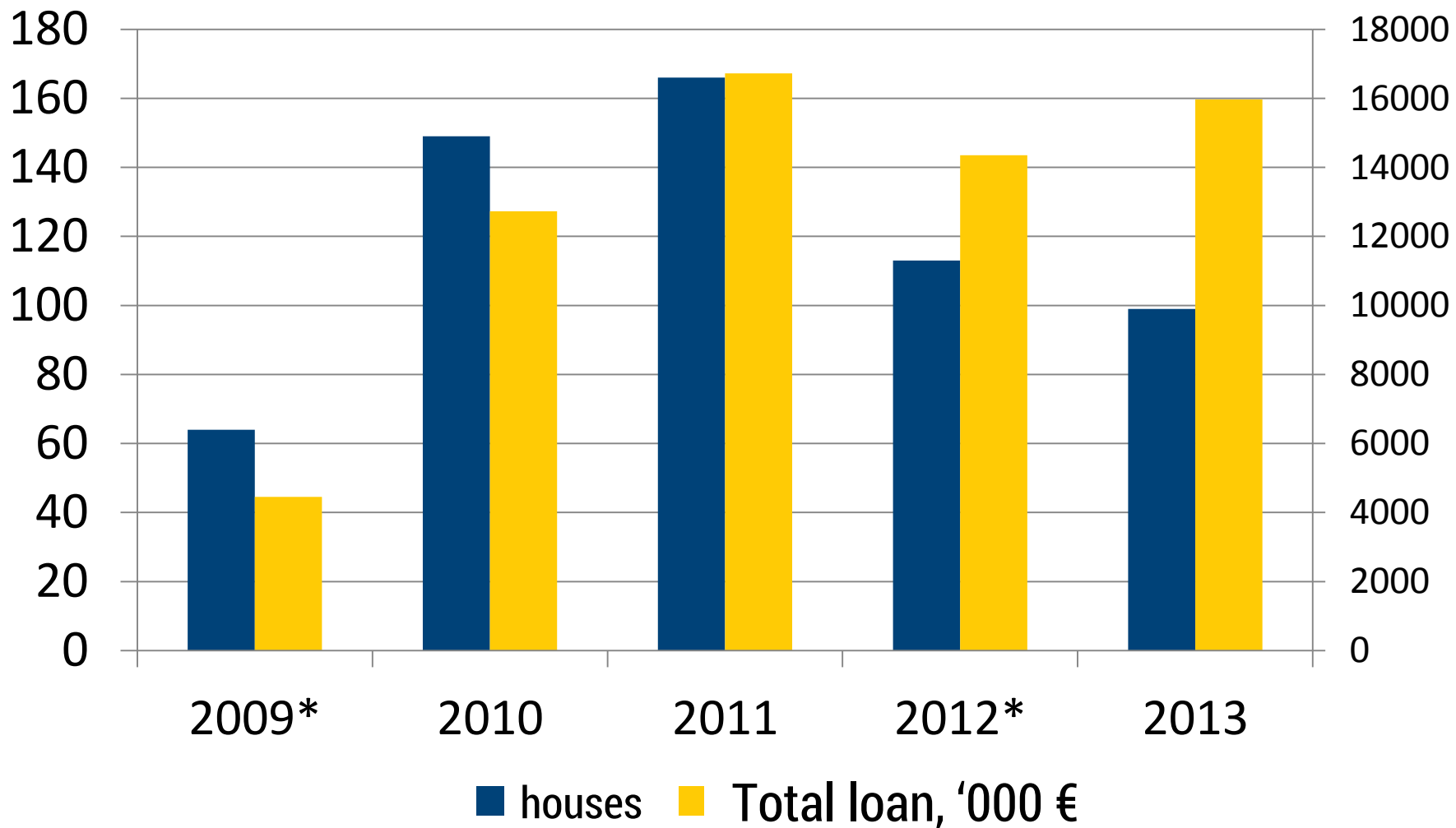
Improving quality and energy efficiency of residential building stock

- Adopted indicators:
 - The number of apartment buildings renovated with the help of renovation support
 - 2006: 1411, plan for 2013: 8000
- Main activities:
 - Renovation loan for the apartment buildings
 - Renovation grants

Renovation loan for the apartment buildings

- Started in June 2009, providing the loans finished in 2013
- Revolving fund
- Implemented by KredEx Foundation in collaboration of two largest banks in Estonia (SEB, Swedbank)
- Total volume of loans 72 M€, total volume of projects 92 M€
- Average loan 110'000 €
- Expected average energy savings in buildings: 48%





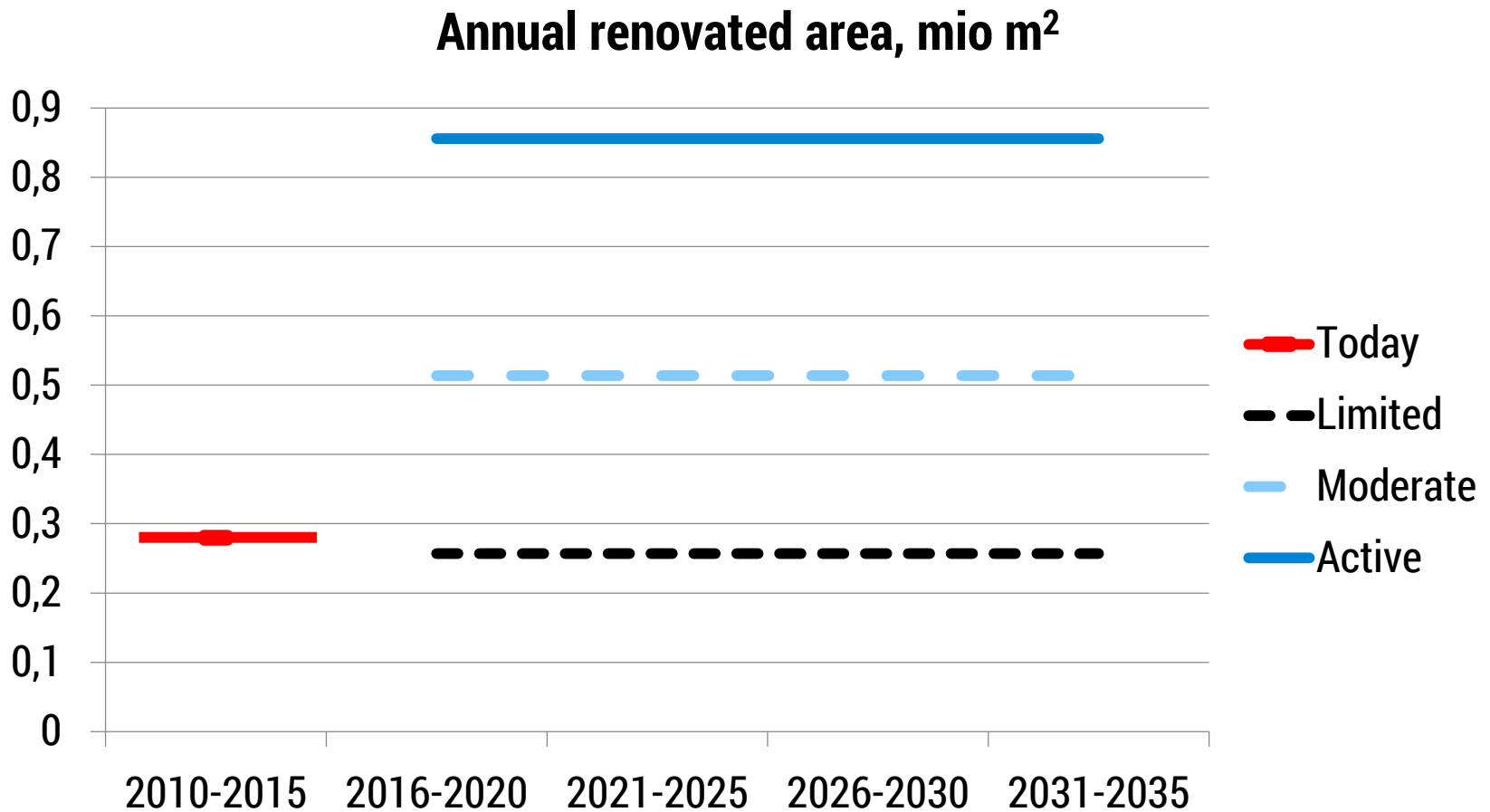
Renovation grants

- Grant depends the scale of renovation activity
 - Three support levels: 15, 25 and 35% (respective expected savings 20-30, 40 and 50%)
- Total amount of grants 37,8 M€
- Implemented by KredEx Foundation

Renovation loan and renovation grants: the results

- 2009-2013, 1.4 million m² renovated (7% of total area of targeted apartment buildings)
- By the end of 2013, 798 buildings were renovated as follows:
 - 415 buildings used reconstruction grant and renovation loan
 - 185 buildings used only renovation loan
 - 198 buildings used only reconstruction grant

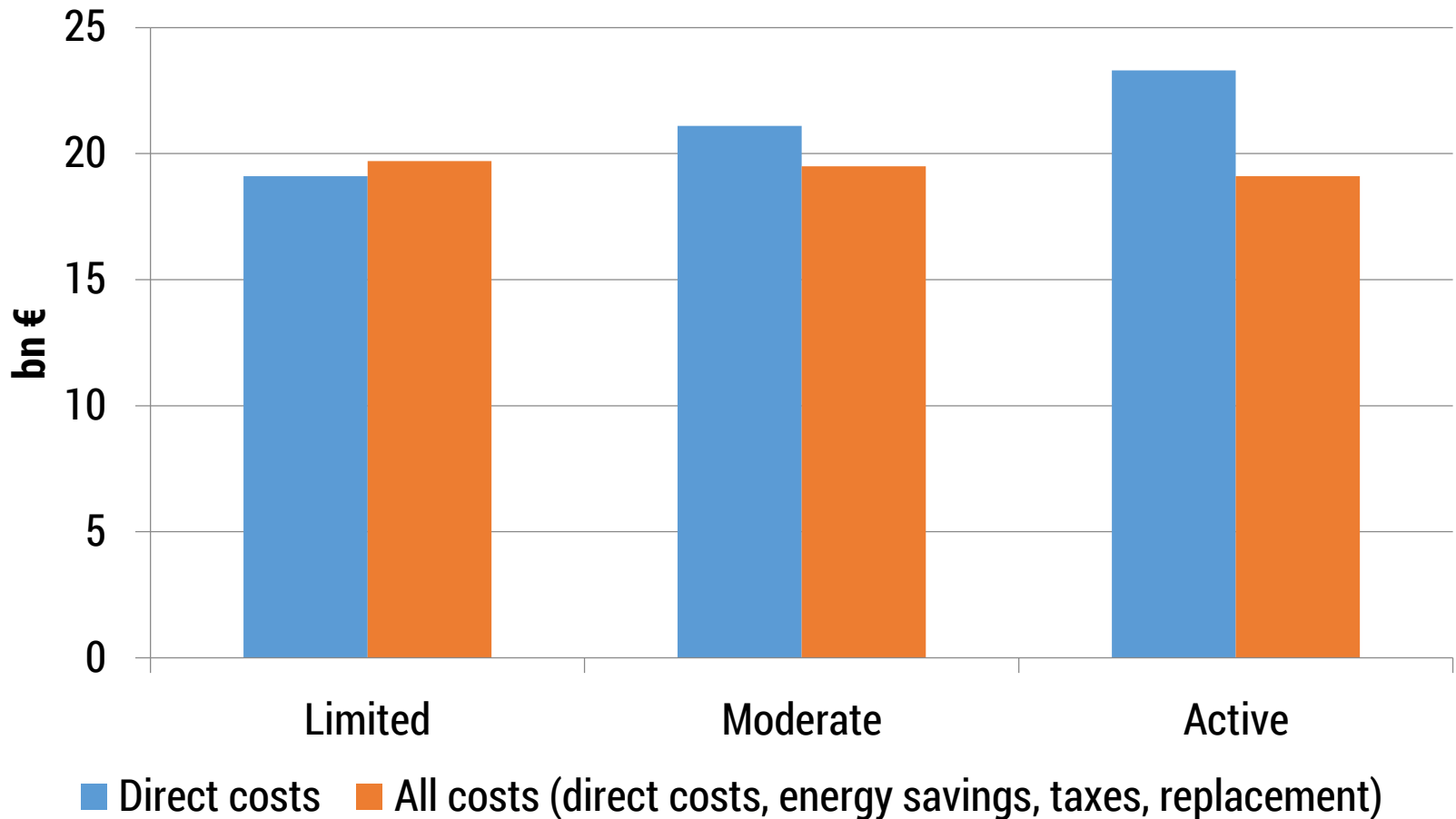
Energy strategy until 2030: building renovation scenarios



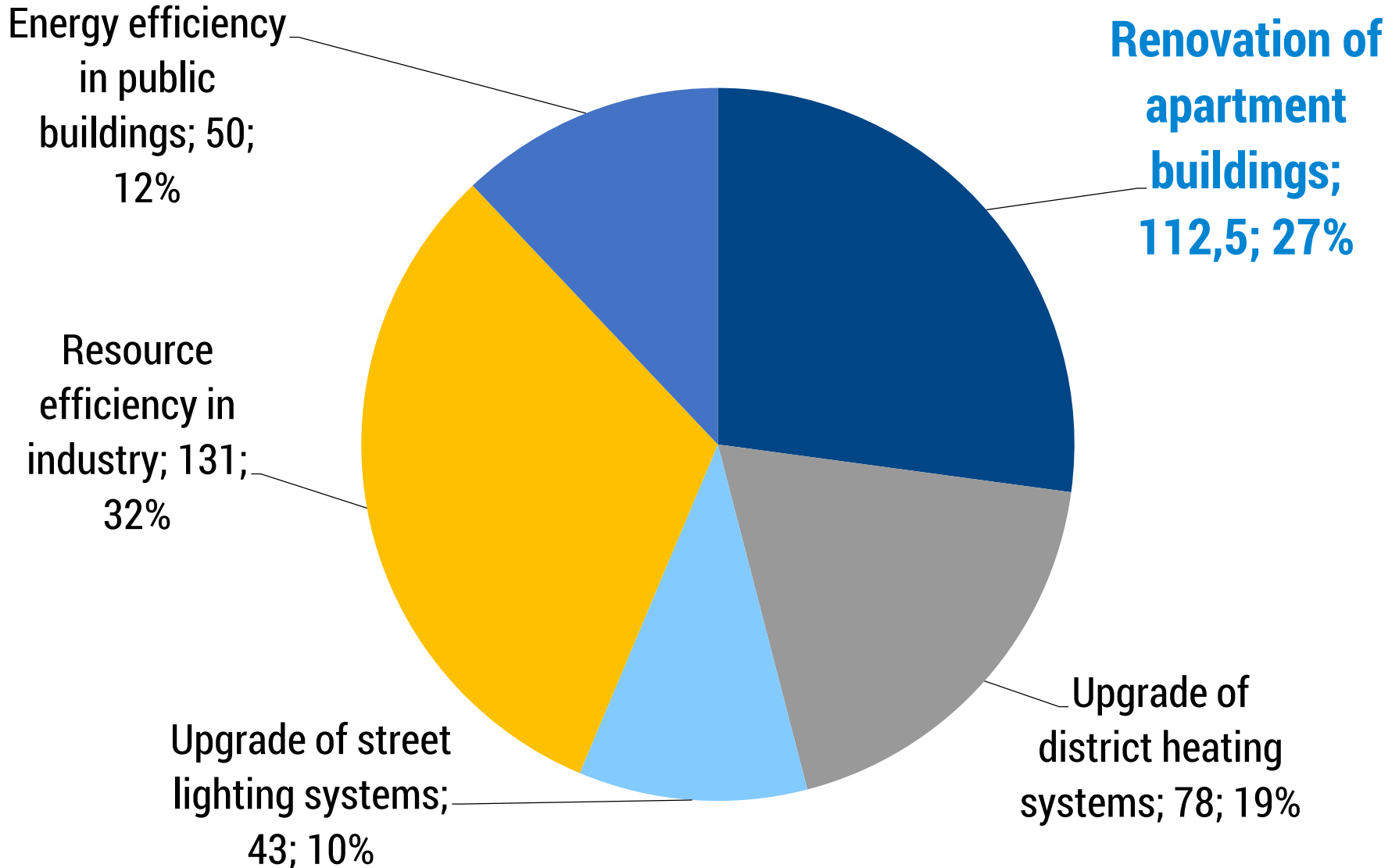
Energy strategy until 2030: key features of building renovation scenarios

Limited	Moderate	Active
<p>Total renovated are in next 20 years:</p> <ul style="list-style-type: none">• Small residential buildings - 10 % - energy class = E• Apartment buildings - 15 % - energy class = E• Non-residential buildings - 10 % - energy class = D	<p>Total renovated are in next 20 years:</p> <ul style="list-style-type: none">• Small residential buildings - 20 % - energy class = C or D• Apartment buildings - 30 % - energy class = C• Non-residential buildings - 15 % - energy class = C	<p>Total renovated are in next 20 years:</p> <ul style="list-style-type: none">• Small residential buildings - 40 % - energy class = C or D• Apartment buildings - 50 % - energy class = C• Non-residential buildings - 20 % - energy class = C• Schools and kindergartens – 40%

Energy strategy until 2030: key features of building renovation scenarios



Planned funding of energy efficiency 2014-2020, M€





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Thank you!

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