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Estonia's energy sector development trends

Energy Market Development Plan until 2030+

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Current trends in energy

- **New coalition agreement**

Security of energy supply; additional interconnections on electricity and gas; use of local renewable fuels on transport, power and heating; activities towards zero dependency on imported energy; energy intensive industry increase in energy portfolio, regional approach; common EU energy policy and new governance towards achieving targets

- **Continuation of reforms**

- **District heating**
- **Renewable subsidy scheme**
- **Natural gas market**
- **Estonian Energy Market Development Plan until 2030+**



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Energy Market Development Plan until 2030+

Mixed expectations on energy market development:

Low energy prices!

Can we also produce energy?

Energy security of supply!

Zero emissions from energy sector!

Don't ask anything from state budget!

Towards Energy Market Development Plan

- **Preparatory work started in 2012**
- **Political objective**
 - **Find out development scenario that contributes the most to the competitiveness**
 - **Contribute adequately to EU 2030 climate and energy targets**
 - **Reduce the number of policy documents**
 - **Improve the link between strategy and national budget, clear implementation plan in financial terms**

Overall challenges and different levels on state intervention

- **Energy efficiency in buildings + heating sector**
- **Managing the increasing use of energy in transportation sector**
- **Decreasing the greenhouse gas emissions from electricity sector, competitiveness**
- **Foster wider use of local fuels in transport, district heating and power production**

In general

- **3 strategic areas**
- **15 measures**
- **70+ indicators**
- **+16 000 new jobs**
- **Expenses to the society 6 mlrd €/a**
- **Expenses to state budget 0 vs 187 mln €/a**
- **State budget revenues 0 vs 331 mln €/a**
- **0 vs better inner climate, energy independence...**

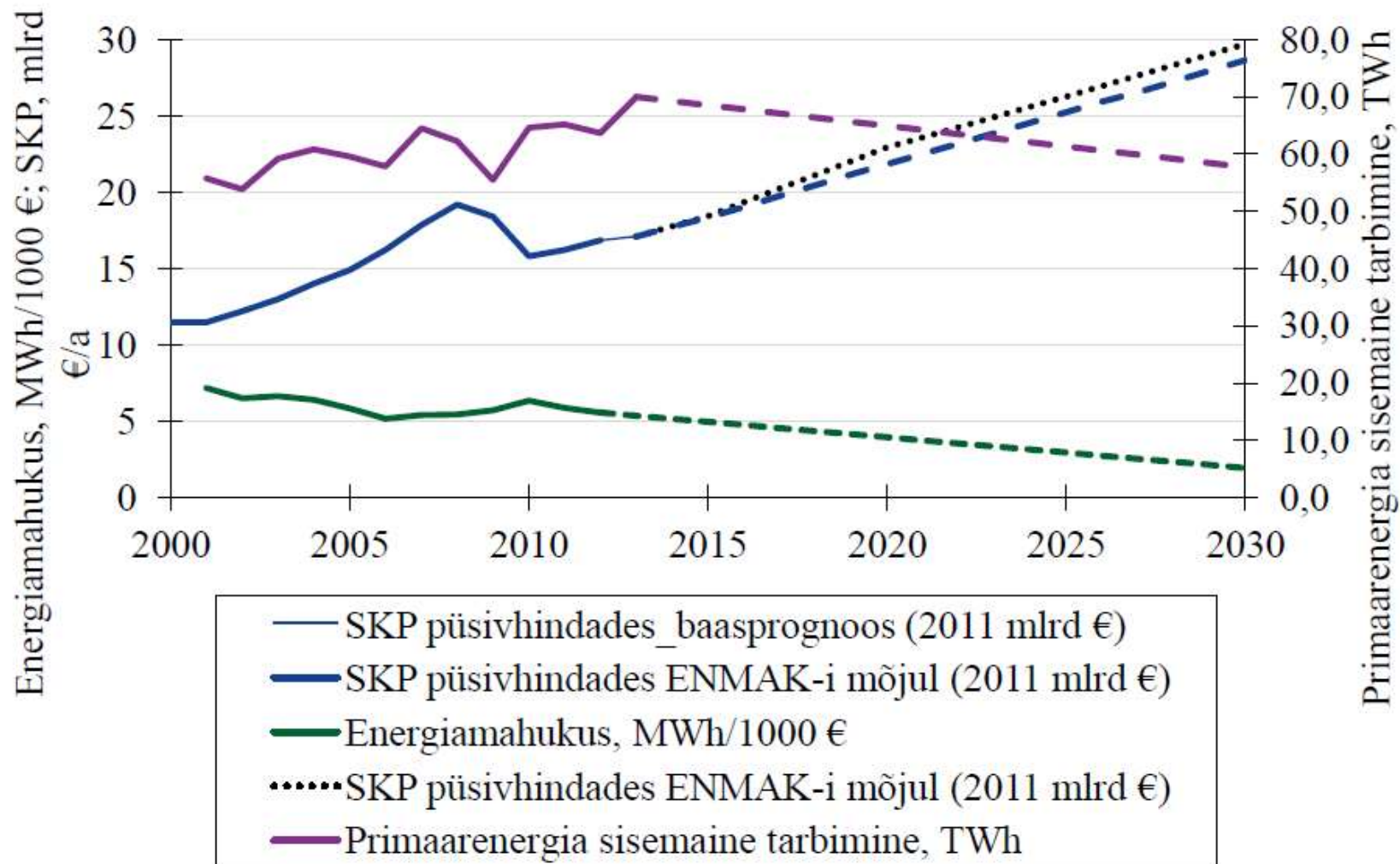
General target

Ensure to the consumers market based prices and access to the energy supply in accordance with the EU long-term targets on climate and energy policy, at the same time contributing to the growth of Estonian economic welfare, competitiveness and environment protection.

General target indicators

- **Increase of the state budget revenues of 2% annually compared to the BAU scenario**
- **Decrease of the GDP energy intensity of 66% by 2030 compared to 2012**
- **Share of imported fuels in internal primary energy consumption less than 25% in 2030**
- **Fully in line with EU climate and policy objectives and targets**

Energy intensity



Strategic areas and indicators

Security of energy supply

- **Domestic power plant capacity to satisfy N-1-1 criteria until 2030**
- **Share of renewable energy 45% in final energy consumption in 2030**
- **Electrical capacity of CHP connected to DH 817 MW**
- **Share of weatherproof distribution grid 75% by 2030**
- **Synchronous work of the Baltic States electricity system with Central-European one by 2025**

Strategic areas and indicators

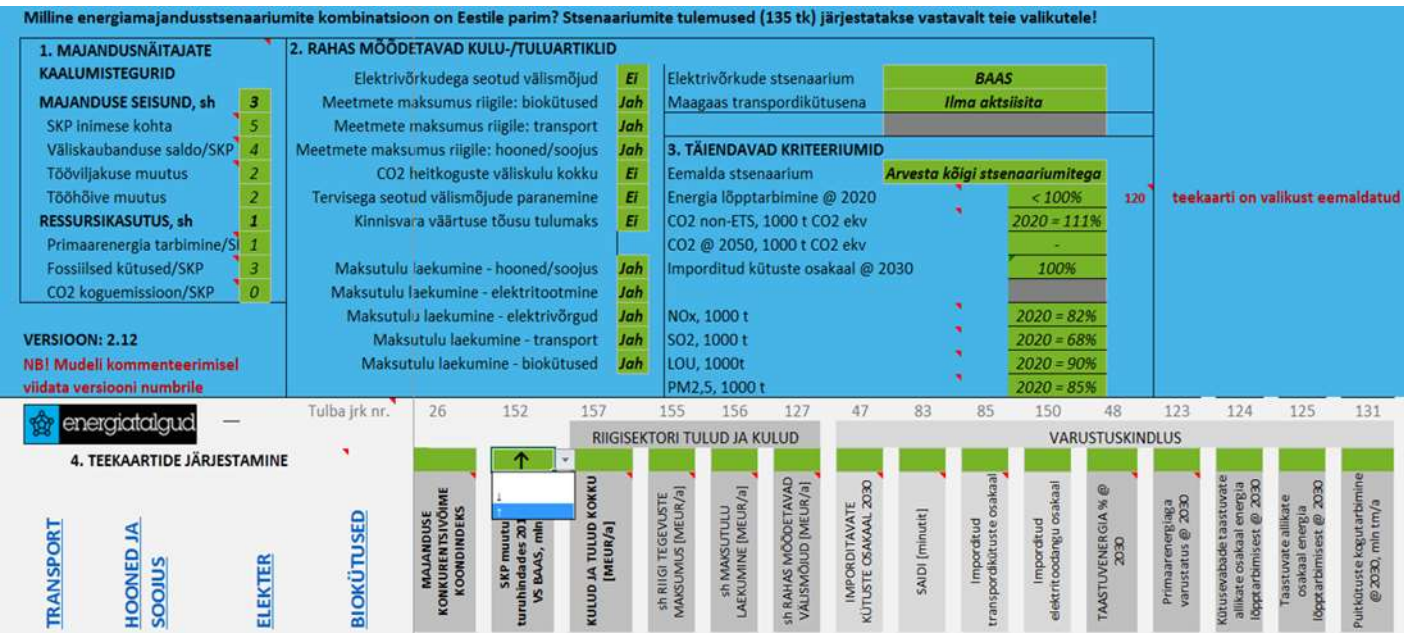
Security of energy supply

- **Share of largest supplier of natural gas less than 70% by 2030**
- **Balticconnector effective from 2019**
- **Share of renewables in DH sector more than 60% by 2030**
- **Primary energy use in heat production 19 TWh compared to 20,4 (2012)**

Strategic areas and indicators

Efficient use of primary energy

- **Overall utilisation rate of oil shale energy content 60% by 2030 compared to 40% (2012)**
- **10% share of methane based fuels use in road transport by 2030**
- **Transportation fuel consumption in TWh in 2030 at the level of 2010**
- **Renovated area through state subsidies – 17 mln. m² of block houses and 10,4 mln. m² of individual houses**
- **Increase of improved energy class buildings 10 times**
- **6000 rental apartments through state initiatives**



- It's simple

- 128 roadmaps
- Extensive involvement of experts, stakeholders
- www.energiatalgud.ee
- 28 different analyses

But not yet finished!



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Thank you!

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