



# Energy efficiency AS IS and TO BE after 2020 in individual sectors in Slovakia

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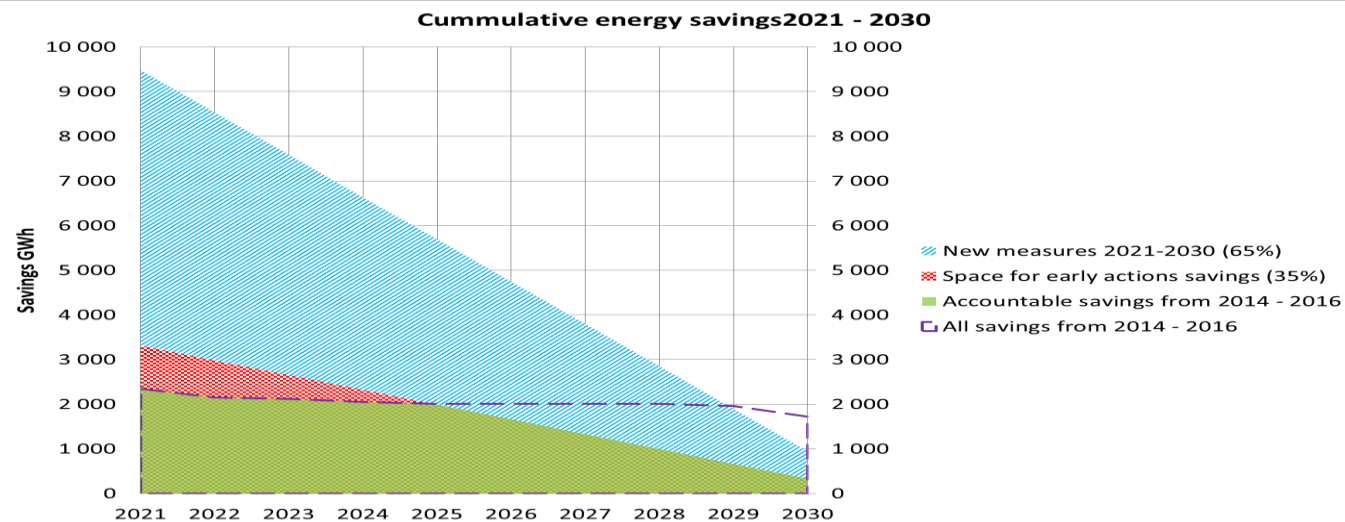
Praha, 26 November 2018

# Baseline

## KEY DOCUMENT

- Baseline document which sets the trends (not only) in energy efficiency until 2030
- Document, that integrates also other energy dimensions, such as energy security, internal energy market, decarbonisation and Research, Inovation and competetiveness
- Deadline for submission of final version to European commision: December 31, 2019

## KEY TARGET 949 GWh p.a.



## KEY NOTE

Information related to future plans come from actually available sources. Since the preparation of National plan is still in process, the information may change depending on gradually obtained updated data.

# Public sector - buildings

## EPC – challenge to support the progress of public buildings renovation

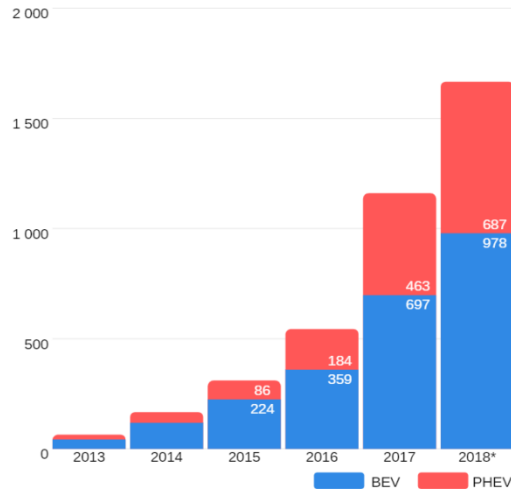
SCOPE	<b>INSTITUTIONS</b>	<b>BARRIERS TO BE DISPOSED</b>
	Public buildings placed out of Bratislava region	Insufficient current allocation of eurofunds for renovation of the major part of non renovated public buildings (Total number of public buildings is around 15 000, only 20 – 30% are renovated )
	Capital, major state institutions	Very limited access to eurofunds due to higher GDP per capita in Bratislava region
	State	Financing model that did not enable to count renovation investment costs out of public debt
SUPPORT MEANS	<b>DONE</b>	<b>IN PROGRESS</b>
	<ul style="list-style-type: none"> <li>EPC development concept in public sector</li> <li>Legislation modification – energy efficiency law</li> </ul>	<ul style="list-style-type: none"> <li>Contract template</li> <li>On line tool for preliminary evaluation of potential for EPC</li> <li>Methodical guideline for EPC project in public sector</li> </ul>

**2021 – 2030 FORECAST:** Eurofunds financing will continue, but also due to facts mentioned above it is very likely, that position of EPC will become much more significant than in previous period

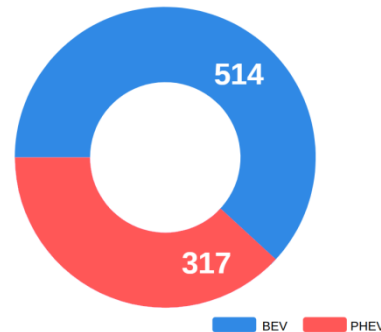
# Transport - electromobility

**AS IS**

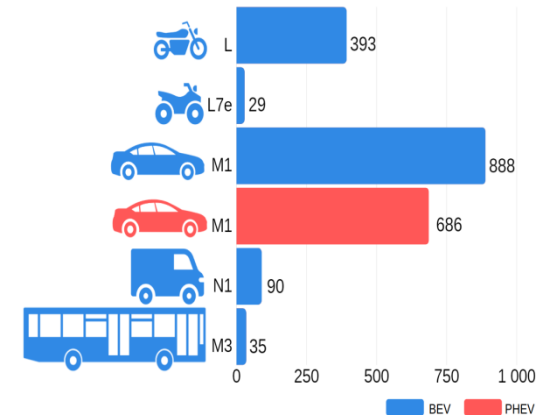
## SALE DEVELOPMENT



## IMPACT OF SUBSIDY



## ELECTRICAL VEHICLES SHARE



**TO BE**

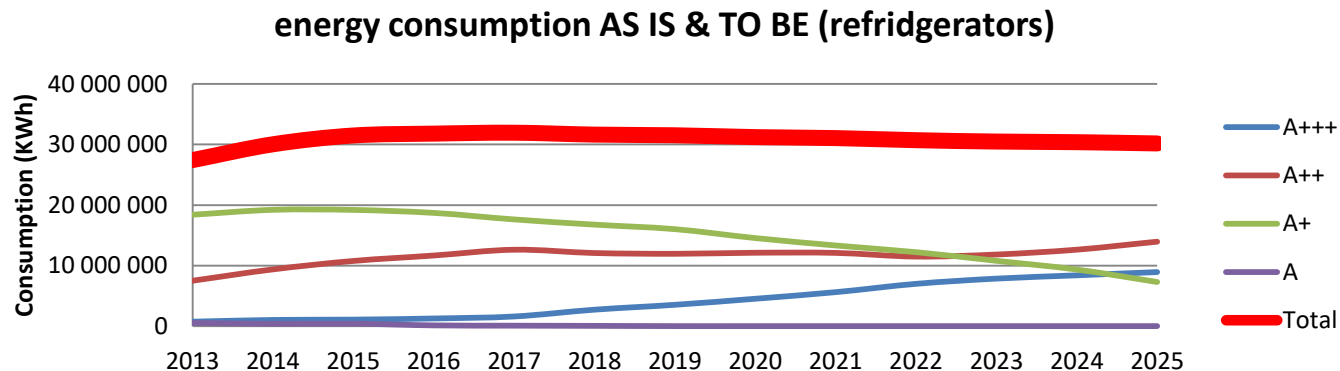
## FORECASTS

	2020	2025	2030
Share of electrical vehicles on total vehicle park; standard scenario(%)	0,42	2,18	5,27
Estimated number of electrical vehicles in Slovakia	10 000	20 000	35 000

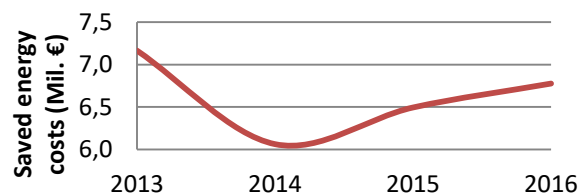
**2021 – 2030 FORECAST:** Due to slovak national economy strengths, such as strong position of automotive and electrotechnical industry, the forecasts may be likely met. The challenge is price of cars

# Appliances (example on refridgerators)

Development of  
energy  
consumption –  
reridgerators  
HISTORY +  
FORECAST



Cost savings



TO BE

Depends on price of electricity + other  
factors (e.g. subsidies)

2021 – 2030 FORECAST: Further development of energy consumption in whole segment will strongly depend on way the energy efficient appliances will be promoted and supported. Support is a big challenge due to additionality

# Buildings - renovation



## AS IS

- Currently around 60% of buildings refurbished (thermally insulated)
- State fund for housing development - the most significant financial support tool
- Majority of flats owners live in their flats

## TO BE

- Based on strategy of buildings renovation, all buildings should be refurbished by 2029
- Necessary condition for meet this estimation is to keep current level of support



## AS IS

- Currently around 38% of family houses refurbished (thermally insulated)
- State support – Max. 6k€ per one house
- Total energy savings much lower than in blocks of flats

## TO BE

- Based on strategy of buildings renovation, all houses should be refurbished by 2043

**2021 – 2030 FORECAST:** Further development of private buildings renovation will depend on the way, the renovation will be supported as well as on ratio of flats owners who live in their flats, and those who rent it



Thank you for  
attention