

# State of play of energy efficiency investment and financing scheme – Czech Republic

**Vladimír Sochor**

Director of Department on Energy Efficiency and Savings  
Ministry of Industry and Trade

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Slovakia and Lithuania*

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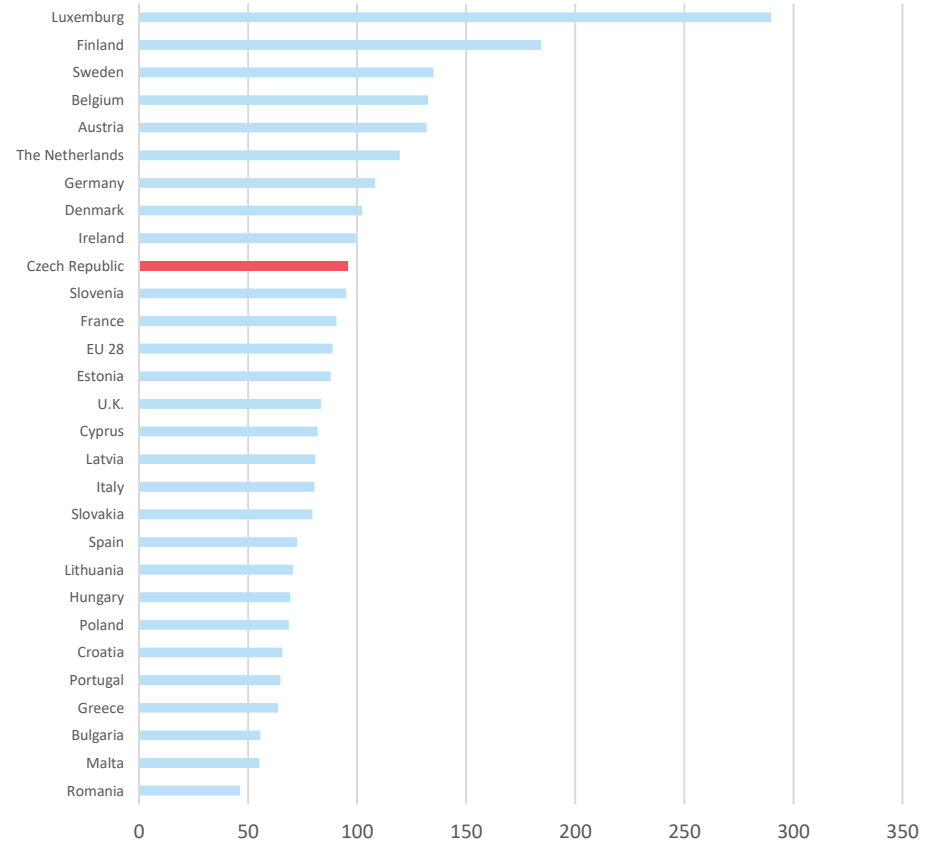
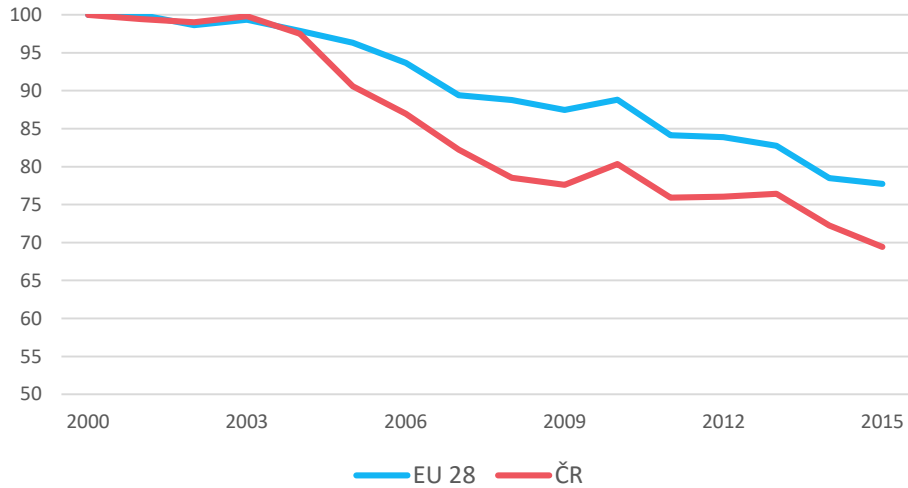


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## Final energy consumption per capita in 2015 [GJ]

### Relative change in energy intensity of CR and EU



# National Energy Efficiency Action Plan (NEEAP) 1

- ➔ The Czech Republic has chosen **alternative approach** in order to **achieve the target of energy savings in 2020** (not acceptable conditions for obligation scheme)
- ➔ **The Czech Republic's national indicative target** has been set at **51.1 PJ (14.2 TWh)** of new final energy savings by 2020
- ➔ The target of energy savings in 2020 will be achieved by **sum of alternative policy measures** in each target sectors:
  - ➔ services
  - ➔ households
  - ➔ industry
  - ➔ energy savings made in final consumption by various measures

# National Energy Efficiency Action Plan (NEEAP) 2

- ➔ policy measures offered and described in the EED the Czech Republic will use:
  - ▶ **investment subsidies**
  - ▶ financial engineering instruments
  - ▶ systems and financing tools, training and education, including energy advice
  - ▶ non-investment subsidies (support of EPC, energy management, education)
- ➔ in the case of non-compliance with the stated target will be given to the **use of other instruments** (combining additional alternative measures)

# Allocation of subsidy and energy savings prediction

Sector / program	Allocation till 2020 [billion CZK]	Savings prediction from NAPEE till 2020 [PJ]	
		originally	actual estimation
Operational Program Enterprise and Innovation for Competitiveness (OPPIK)	20.0	20.0	9.6
Operational Program Environment (OPŽP)	24.6	5.0	5.0
Integrated Regional Operational Program (IROP)	13.9	3.5	3.5
New Green Savings Program	27.0 (20.0)	14.4	11.0
Operational Program Prague Growth Pole	1.0	0.01	0.01
Program EFEKT	(0.5) 0.8	0.1	0.3
<b>Total</b>	<b>87.0 (80.3)</b>	<b>43.0</b>	<b>29.4</b>

# Ministry of Industry and Trade – actual role in savings

- ➔ coordination and methodological assistance in optimizing the **setting of subsidy programs** related to energy savings
  - ▶ **Coordination Committee for Energy Efficiency** („advisory“ body, over 50 nominees)
- ➔ setting up a screening **methodology for reporting energy savings**
- ➔ cooperation in optimizing the **use of financial instruments** in relation to maximize energy savings
- ➔ **removing barriers** to the expansion of application of the **EPC method**
- ➔ search for new possibilities of support under the **program EFEKT** – soft measures  
*... and other potential opportunities*

# Energy savings opportunities

- ➔ options for optimizing the **use of financial instruments and methods of use of Energy Performance Contracting** in relation to maximize energy savings
- ➔ possibility of **introducing energy management systems** according to ISO 50001
- ➔ search options **proof of additionality for energy efficiency measures**, which will be implemented with subsidies
- ➔ possibility of **new concepts of voluntary energy saving measures** (that is both cost effective and administratively)

# Today's state of financial instruments in EE

## within Operational Programs

### ➔ Operational Program Enterprise and Innovation for Competitiveness

➔ before starting (summer 2017) – allocation up to CZK 2 billion

### ➔ Integrated Regional Operational Program

➔ under preparation (autumn 2017?) – allocation up to CZK 2 billion

### ➔ OP Prague – Growth Pole of the CR

➔ under preparation (2017?) – low allocation

**outside of Operational Programs** - **program ENERGA** and...



# Program ENERG

- ➔ use of the remaining 2014 funds (benefits from the sale of emission allowances)
  - ▶ complementary program to promote energy-saving projects towards OPPIK
  - ▶ providing preferential loans to SMEs **in the capital city of Prague**
  - ▶ total program volume – CZK 129 million (EUR 4.78 million)
  - ▶ administration of the program – **Czech-Moravian Guarantee and Development Bank**
  - ▶ **favorable conditions:**
    - ➔ **interest rate of 0%**, the option of postponing repayments by 2 years and a maturity of up to 10 years
  - ▶ in case of successful application the **possibility of extension using other means**

# State Program to Support Energy Savings – EFEKT

- ➔ new program is announced **for the five-year period 2017 – 2021**
- ➔ budget **for the entire program period of 750 million CZK**  
(i.e. 60 million EUR and 12 million EUR per year)
- ➔ individual calls for subsidies are published
  - ▶ for 2018 from October till mid December 2017
- ➔ program contains two subprograms:
  - ▶ P1 – support of investment projects
  - ▶ P2 – support of non-investment projects



# New type of energy services providing

## → business opportunity

- ▶ possibility of introducing a **new type of energy service** (in terms of **good practice examples**) – the **project must bring some benefits to the customer**
- ▶ provide to customer a **comprehensive solution for energy-saving solutions** (in the form of a feasibility study or energy assessment)
- ▶ energy service provider, following the offer of a "**feasibility study**" in the form of an **energy assessment**, can also offer implementation of the proposed measures, financing as well as follow-up monitoring (may even propose the takeover of energy supplies)
- ▶ available small subsidy for the "feasibility study" (**program EFEKT**)

# New program – Reasonable energy savings

- ➔ **many projects** are implemented **without the support of investment subsidies**
  - ▶ registration program of **quality designed and implemented solutions** of an economical project without the support of investment subsidy
  - ▶ main program characteristics is **high quality design solutions and installation of energy saving measures**
  - ▶ [www.usporysrozumem.cz](http://www.usporysrozumem.cz)  
(only in Czech)

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s rozumem



# Program components

- ➔ basic principle is **quality of projects**
- ➔ **initiating access of companies** that will offer their services - **guarantors** of prepared and implemented projects
- ➔ a **quality project will be awarded a Quality certificate** and a **Quality label** for the project
- ➔ an **energy services company** that will help to **realize 10 quality projects** will get a **Quality Certificate** and a **Quality Label** for companies responsible for realization



# Thank you for your attention

Vladimír Sochor

[sochorv@mpo.cz](mailto:sochorv@mpo.cz)



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