

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

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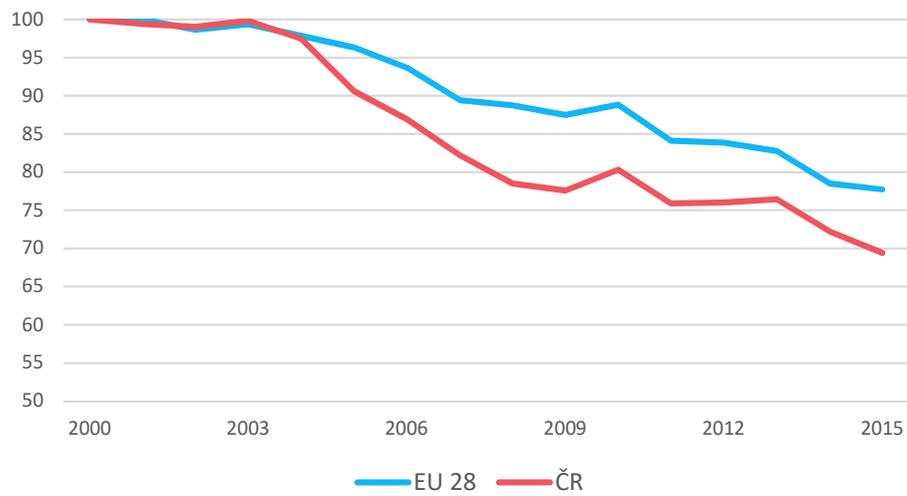


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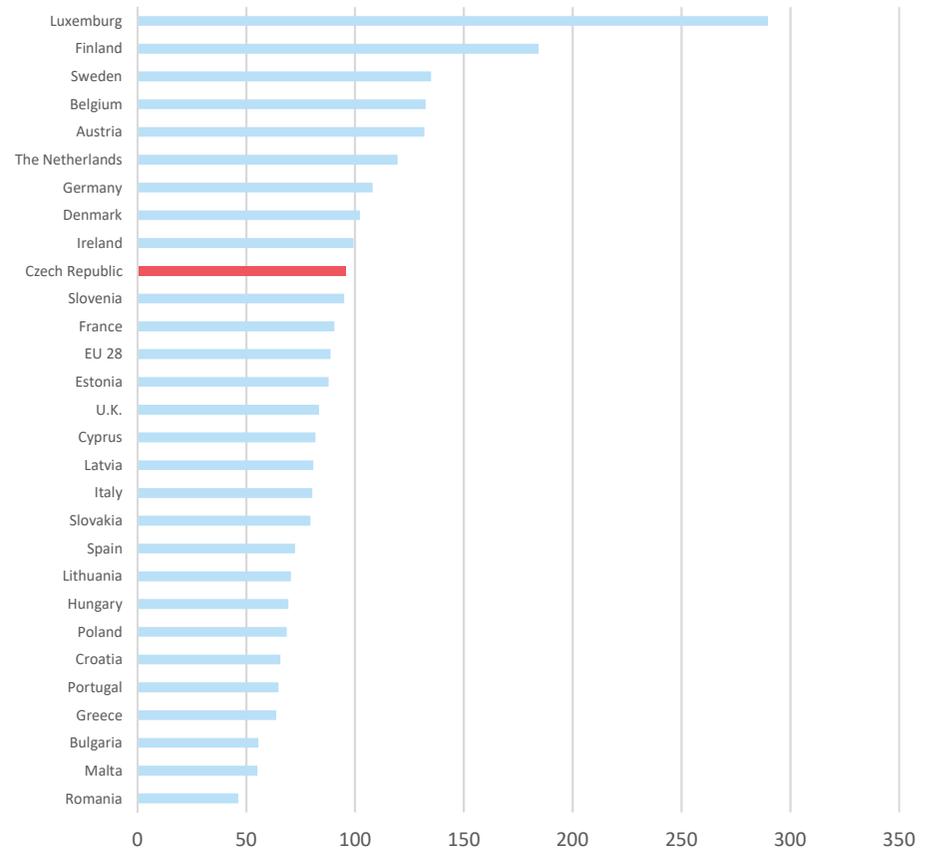


Final Energy Consumption (PJ)									
	2007	2008	2009	2010	2011	2012	2013	2014	2015
EU 28	49 135,83	49 392,17	46 659,72	48 683,68	46 289,54	46 315,42	46 287,06	44 363,46	45 308,39
Austria	1 154,27	1 165,57	1 105,65	1 179,52	1 139,67	1 135,81	1 171,08	1 119,65	1 145,93
Belgium	1 492,51	1 544,59	1 455,44	1 575,53	1 465,39	1 467,74	1 524,18	1 431,72	1 498,02
Bulgaria	432,96	417,94	359,99	370,24	387,80	386,87	367,54	377,31	398,07
Croatia	305,00	309,93	300,40	301,97	291,55	278,60	275,20	261,31	275,79
Cyprus	80,70	82,51	80,96	80,62	80,31	73,86	67,59	67,67	69,48
Czech Republic	1 098,76	1 092,79	1 048,53	1 058,06	1 023,69	1 021,91	1 017,01	983,66	1 010,20
Denmark	658,10	649,90	619,36	649,77	619,59	595,89	588,34	565,86	583,80
Estonia	129,87	128,36	115,75	121,72	118,71	120,21	120,18	117,88	115,77
Finland	1 110,14	1 074,65	998,98	1 098,91	1 047,29	1 053,63	1 033,30	1 025,89	1 012,41
France	6 494,37	6 560,79	6 275,73	6 502,24	6 030,45	6 226,65	6 343,96	5 882,75	6 041,73
Germany	8 801,94	9 112,28	8 616,06	9 196,31	8 741,14	8 878,20	9 112,74	8 745,43	8 881,19
Greece	923,55	894,88	859,37	795,36	789,86	711,82	639,84	649,80	688,19
Hungary	708,33	713,08	685,09	691,95	688,95	639,97	640,58	637,61	681,89
Ireland	556,17	556,78	497,06	500,58	456,32	444,32	449,59	450,76	469,52
Italy	5 633,95	5 619,87	5 281,39	5 378,32	5 155,23	5 098,24	4 962,14	4 745,73	4 875,28
Latvia	182,31	173,89	169,14	172,49	161,98	168,61	161,41	162,68	159,10
Lithuania	218,45	215,12	194,70	201,56	200,69	205,71	200,73	204,84	203,85
Luxemburg	181,75	183,33	170,57	180,98	179,60	174,60	172,52	167,51	166,98
Malta	16,29	20,65	18,67	21,07	20,65	21,21	21,99	22,81	23,96
Poland	2 577,95	2 614,18	2 576,65	2 776,92	2 709,96	2 697,01	2 648,55	2 579,04	2 606,32
Portugal	791,65	770,20	761,51	757,76	724,78	671,19	663,78	660,28	671,44
Romania	1 011,41	1 041,39	933,23	945,91	953,36	954,63	914,14	909,40	916,59
Slovakia	468,16	480,84	445,15	483,43	451,00	433,20	444,14	417,98	431,28
Slovenia	204,80	220,51	202,43	210,86	210,26	204,98	200,79	192,15	196,31
Spain	4 108,24	3 962,20	3 674,70	3 729,78	3 628,73	3 481,40	3 381,72	3 317,00	3 368,75
Sweden	1 395,24	1 357,39	1 316,20	1 426,73	1 356,07	1 355,12	1 322,27	1 305,93	1 329,68
The Netherlands	2 220,09	2 254,73	2 159,67	2 308,45	2 161,45	2 154,82	2 159,66	1 979,53	2 030,32
U.K.	6 178,87	6 173,82	5 737,36	5 966,67	5 495,07	5 659,25	5 682,13	5 381,32	5 456,55

Relative change in energy intensity of CR and EU



Final energy consumption per capita in 2015 [GJ]



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 **50.67 PJ (14.08 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)	16.9	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	0.14	(0.1) 0.3
Total	90.3	43.1	29.4 (?)

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

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
- ➔ **Operational Program Environment**
 - ➔ bad experience – will be not prepared

outside of Operational Programs - program ENER

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 CZK 750 million**
- ➔ The individual calls for subsidies are published – **electronic processing of applications for subsidies** from 1. till 28. February 2017
- ➔ program contains two subprograms:
 - ▶ P1 – support of investment projects
 - ▶ P2 – support of non-investment projects



Thank you for your attention

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