



# CATCHING-UP REGIONS

## ENERGY EFFICIENCY (EE)

Steering Committee  
Prešov, May 17-18, 2018



## EE: Outline

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- **Mission Key Findings (April 22-27)**
- **AP/AA finalization**
- **Indicative short-term action plan**
- **Next steps**

## EE: Key Mission Findings (1/3)

- **PSK has about 130 public facilities (500 buildings)**
  - limited / no maintenance
  - each individually managing their energy consumption
  - no incentive to undergo energy savings (cannot retain cost savings)
  - some facilities might be overheated during winter months
- **Increased energy consumption impacts on PSK fiscal budget**
  - transfers to cover heating expenses during winter months (“emergency situation”)
  - fragmented & unknown information on energy consumption
  - difficult to manage annual regional budget due to increase amount of these transfers
- **ELENA Program helped...**
  - TA to support technical docs (EA, feasibility studies, procurement documentation)
  - 42 buildings underwent EE renovations
  - partial renovations in about half of the 42 facilities

**... MORE is needed to complete renovations & expand to other public facilities**

### Snímka 3

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somebody at the PSK mentioned it ... but there is no evidence ... I would reformulate it this way:  
some facilities might be underheated during winter months

uzivatel; 13. 5. 2018

## EE: Key Mission Findings (2/3)

- **Public buildings: large untapped energy savings potential, but high risks**
  - restrictions on public borrowing & existing debt levels
  - political risks of 4-year administration periods
  - not all public facilities have good payment discipline (e.g. hospitals)
  - longer payback periods needed (~15 years)
- **Difficult to guarantee savings due to regulation fees in tariff**
  - About 60 percent of tariff is composed on regulatory fees
  - regulatory fees are constantly changing and are unpredictable
  - tariff level has been decreasing in the past five year
  - tight margins for EPC contracts
- **Financing needed to develop preparatory work**
  - energy audits, feasibility study, and bidding documentation
  - ELENA funds are almost used up (project ends in June 2018)

## EE: Key Mission Findings (3/3)

- **Last call for ESIF funds (2014-2020) is expected 2nd sem. 2018 (€50 M)**
  - part of EU- funded OP Quality of Environment
  - to apply, facility needs to have preparatory work (energy audits, technical documentation ensuring at least 50% savings)
  - tight framework to find funding and to prepare needed project documentation
- **National government working to create EPC framework (off-balance finance)**
  - steps: preliminary assessment, energy audits, technical project documentation
  - created certified energy auditors and ESCOs
  - EPC contract template between ESCO and public sector (in process)
  - EPC guidebook and trainings (in process)
  - energy certification (MoE) would be required to get final building certificate
  - SIEA would act as “one-stop shop”

# EE Action Plan – Activity 2.1: Strategic plan for scaling-up energy efficiency in PSK buildings

## **2.1.1 Assessment of the regulatory and institutional framework, to increase opportunities for the implementation of EE projects in PSK public buildings**

- Assess the regulatory and institutional framework (including budget and procurement aspects) and recommend ways to overcome barriers to increase opportunities for EE improvements in PSK public buildings
- Output: Regulatory and Institutional Framework diagnostics and Overview Report
- Duration: 5 months (May 2018 – September 2018)

## **2.1.2 Identification of funding opportunities to scale-up of EE in PSK public buildings**

- Broad review of several public and commercial financial instruments (and combination of) to establish financing mechanisms to package the PSKs public facilities portfolio.
- Output: Strategic Planning for Scaling-up EE in PSK Buildings
- Duration: 9 months (June 2018 – February 2019)

## EE Action Plan – Activity 2.2. Action Plan to develop an energy management unit for public buildings within the PSK Administration

### 2.2.1 Guidebook for the Implementation of Energy Management Systems (EMS)

- The guidebook will propose a methodology for the implementation of EMS in the PSK (to be used by the different parties: schools, social facilities, administrative buildings, and PSK Regional Administration) and provide a “hands on” manual on how to implement EMS.
- Output: Guidebook for the Implementation of Energy Management Systems
- Duration: 5 months (May 2018 – September 2018)

### 2.2.2. Action Plan to establish an energy management unit within PSK Regional Administration

- Action Plan to define a strategic unit that would be able to monitor and manage energy consumption in their public facilities by establishing the type of professionals needed, data collection protocols, monitoring and reporting systems. It is expected that this unit would be able to implement the Strategic Planning for the scaling-up of EE in PSK public facilities.
- Output: Action Plan to establish an energy management unit for public buildings within PSK Regional Administration
- Duration: 11 months (June 2018 – April 2019)



## EE: Indicative Short-Term Milestones

Milestone	Date
Inception Report Finalization	May 30, 2018
Steering Committee Meeting (participation via VC)	June, 2018
Next mission to Slovakia	August, 2018
Draft Regulatory and Institutional Framework Diagnostics and Overview Report	early September, 2018
Draft Guidebook for the Implementation of Energy Management Systems	end August, 2018
Regulatory and Institutional Framework Diagnostics and Overview Report	September 2018
Guidebook for the Implementation of Energy Management Systems	September 2018

## EE: Next Steps

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- **Finalization of Inception Report (May 30)**
- **Information needed from PSK Regional Administration**
  - Translation of main text (Chap. 1-8) of technical study on energy consumption (2015)
  - Database on public information
  - Budget and procurement information
  - Establishment of focal point for energy management unit
- **Hiring of local consultant**
- **Mission (August)**

# Thank you

**Catching-Up Regions Program  
Activity 2. Energy Efficiency**

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