

The European Union – Turkmenistan Sustainable Energy Days International Conference

Sustainable Energy in Turkmenistan: prospects and challenges State Energy Institute of Turkmenistan, Mary, 14 December 2023

## Energy management systems in municipalities – from obligation to practical implementation (experience of Riga city, Latvia)

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#### **Obligation by law**

Article Nr.5 of Energy Efficiency Law

(2) Local governments of State cities shall introduce and maintain a certified energy management system.

Entry into force: 29.03.2016

Energy Management System (EMS) according ISO 50001 standard

Implementation

Description of all procedures; Development of EMS management board; Decision of city council about implementation of EMS;

Certification

Internal audit;

- External audit;
- Reporting to state

Link: Energy Efficiency Law

Information about energy consumption gives you possibility to make decisions for improvement.





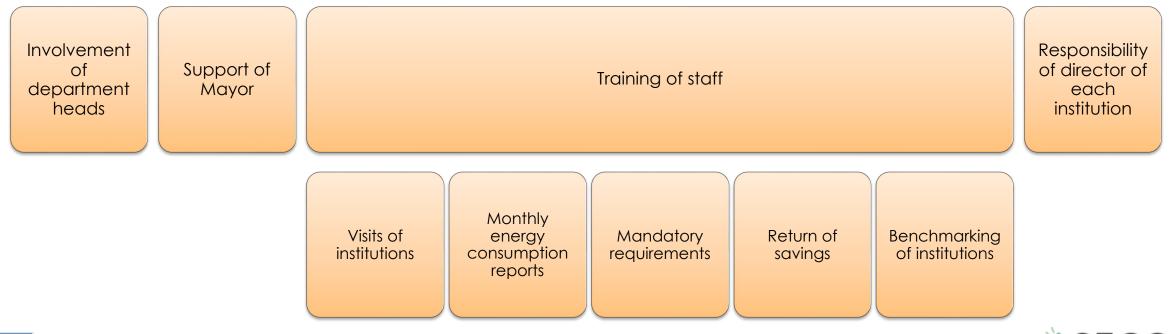
#### **Creation of EMS in Riga City**



the European Union

#### **Most important part!**

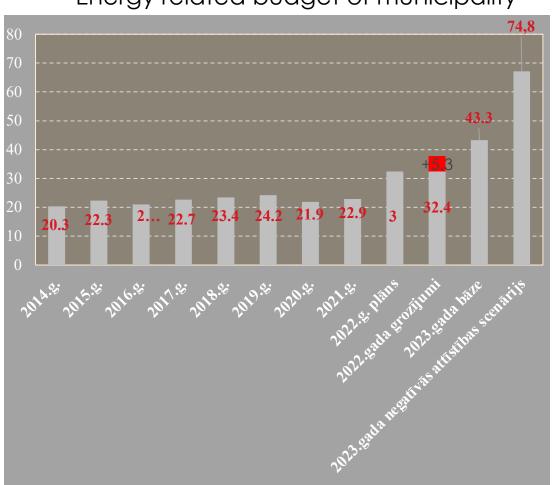
# Involvement of employees (20 000+)



Sustainable Energy Connectivity in Central As

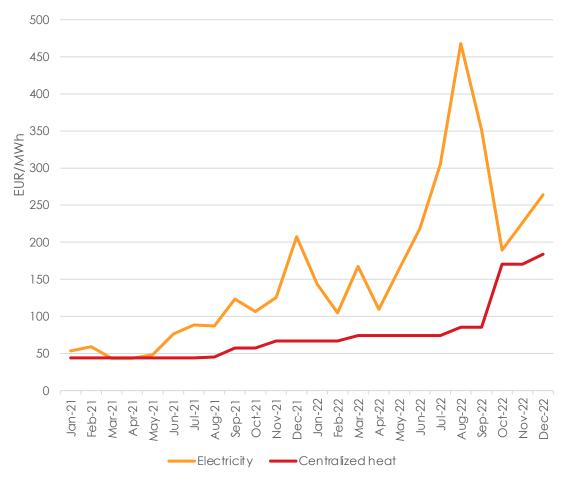


#### **Energy price crisis 2022**



Energy related budget of municipality

#### Energy prices jan.2021 – dec.2022

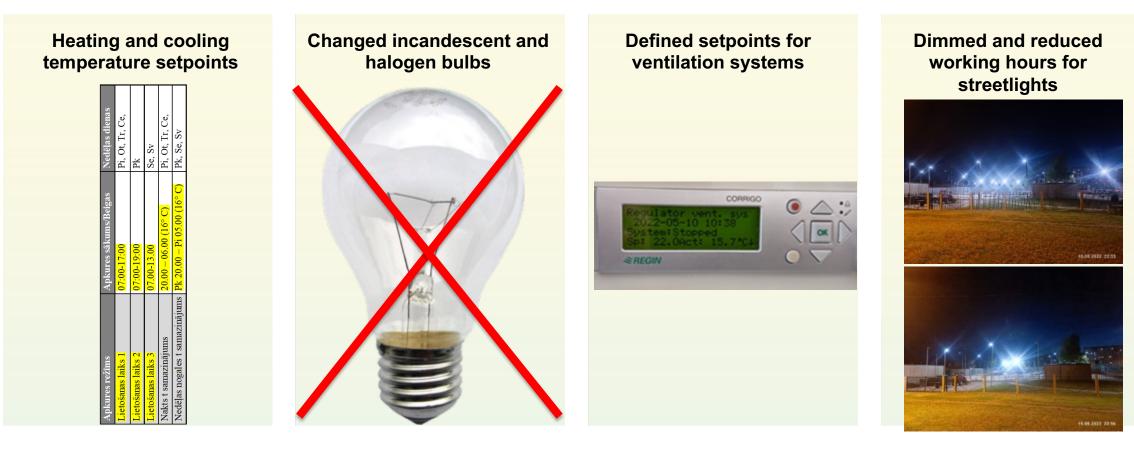






### **Energy efficiency measures for everybody in municipality**

Mandatory 15% energy consumption savings for all municipal bodies







Municipality's budget assignment in 2023

4 MEUR FOR ENERGY SAVING MEASURES

- Replacement of inefficient lights in buildings against LED lights
- Installation of PV panels on building roofs for self consumption
- Gas boiler replacement with environmentally more friendly heat source systems
- Planting of more than 4 000 trees in the city









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# **THANK YOU!**







