

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)

Valdis Ratniks,

Head of the Energy Efficiency Information Center, Riga Energy Agency









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.





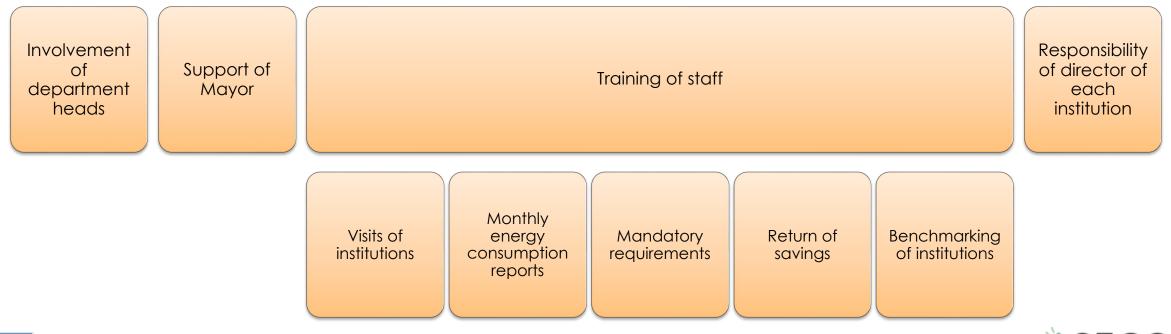
Creation of EMS in Riga City



the European Union

Most important part!

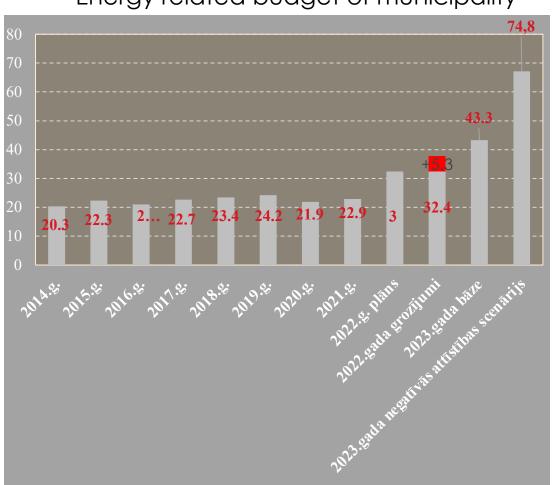
Involvement of employees (20 000+)



Sustainable Energy Connectivity in Central As

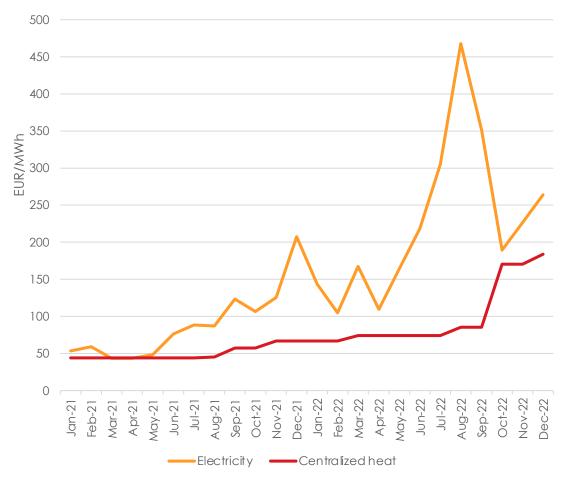


Energy price crisis 2022



Energy related budget of municipality

Energy prices jan.2021 – dec.2022

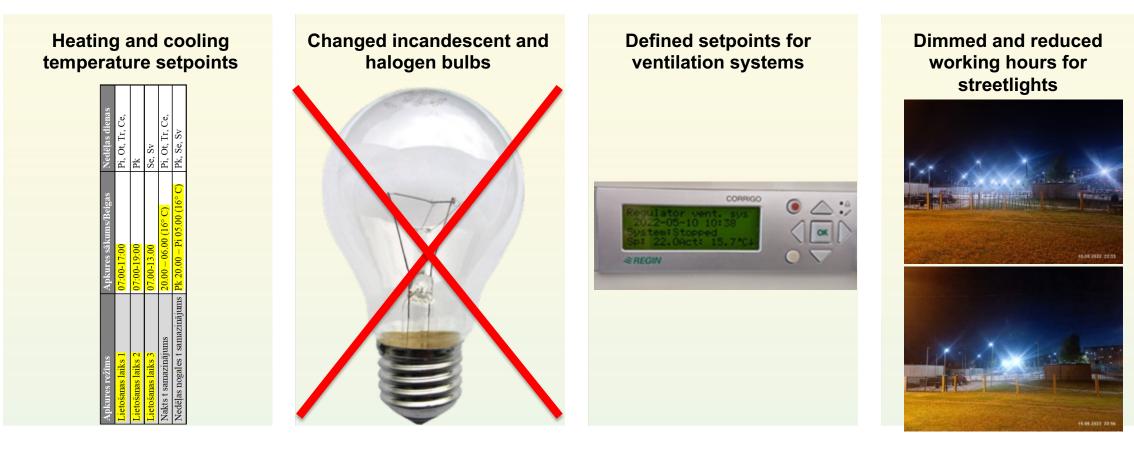






Energy efficiency measures for everybody in municipality

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









VALDIS RATNIKS RIGA ENERGY AGENCY

THANK YOU!







