

# ABOUT THE BALANCED DEVELOPMENT OF THE CITY OF ZHYTOMYR

**Sergiy Sukhomlyn**

City Mayor

**⌘ HOW MUCH DREAMS  
○ CAN CHANGE CITY**

20%  
CO<sub>2</sub>  
before 2020

Zhytomyr is a signatory  
of the Mayors Agreement  
from 2012



350.org

first  
CITY

in Eastern  
Europe

announced the transition

at **100% RE**  
and total rejection  
from fossil fuels

by **2050**

ZHYTOMYR

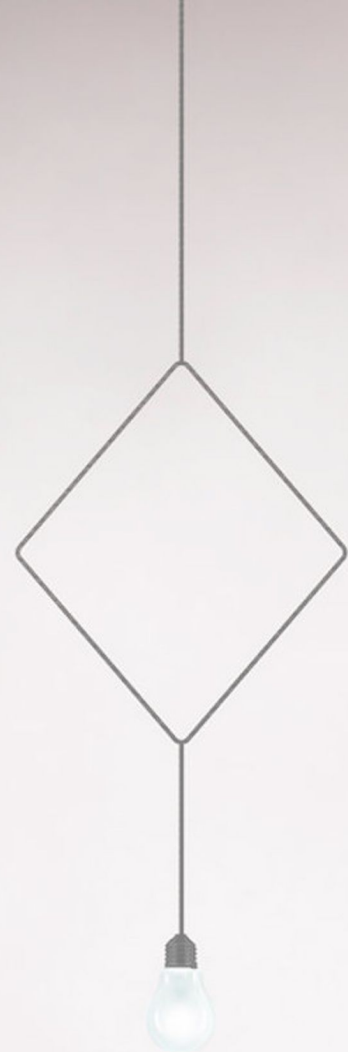
>0.1%<sup>2018</sup>

part RE

in the fuel and energy  
balance of the city

**R**enewable  
**E**nergy

# ENERGY EFFICIENT INFRASTRUCTURE



AS THE CITY WILL REACH GOAL OF 100% RENEWABLE ENERGY BY 2050?

## TASK

### REDUCE ENERGY CONSUMPTION:

insulation of municipal buildings;

**01**

replacement of street lighting on LED;

**02**

optimization and modernization of the centralized system heat supply, water supply and water treatment;

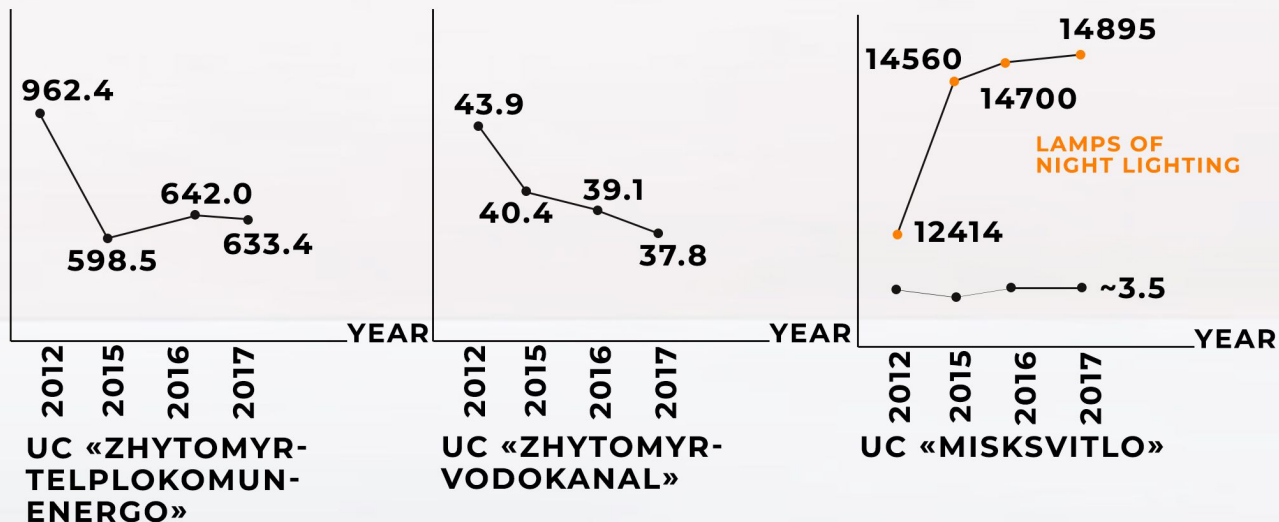
**03**

development of the electric transport network and bicycle infrastructure.

**04**

### DYNAMICS OF CONSUMPTION OF ENERGY

IN THE LARGEST MUNICIPAL COMPANIES, THOUSAND MBh



# INVESTMENTS IN **GREEN** POWER ENGINEERING **100% RE** by **2050:**

## **TASK**

to increase generating capacity from renewable energy sources:

- construction of hydroelectric power stations;
- construction of CHP for biofuels;  
(combined heat and power production).
- construction of solar power plants.

# «Passive House»

consumption of thermal energy not more than 15.0 kWh/(m<sup>2</sup>·year)

new standards  
construction

open office  
(center for administrative services)

conference room

media library

children room

center of public  
communications



THANK YOU FOR ATTENTION

**SERGIY SUKHOMLYN**  
CITY MAYOR



ZHYTOMYR CITY, POKROVSKA STREET, 4  
KU.ARM.ZT@GMAIL.COM