



EU4Energy



Covenant of Mayors  
for Climate & Energy

Demonstration Projects  
Eastern Partnership



## European Union Covenant of Mayors Demonstration projects: factsheet

Project: Modernization of the street lighting system  
in Chernivtsi (Ukraine)



<b>Country</b>	Ukraine
<b>Region</b>	Chernivtsi oblast
<b>Municipality</b>	Chernivtsi
<b>Covenant Signatory since</b>	July 2014
<b>Sustainable Energy Action Plan approved</b>	October 2015
<b>Sustainable Energy Action Plan targets by 2020</b>	Energy consumption: - 20% CO <sub>2</sub> emissions: - 21%
<b>Demonstration project duration</b>	December 2017 – March 2020
<b>Demonstration Project budget, incl.</b>	1,542,024 EUR
<b>European Union grant contribution</b>	1,217,891 EUR
	324,133 EUR



### What is to be done?

- Replacement of 4,171 lamps (incandescent, sodium, mercury) with new efficient LED luminaries
- Replacement of 126 km of outdoor lighting cables
- Introduction of public lighting management system
- Installation of 16 autonomous street lamps with solar photovoltaic modules in 3 public spaces in Chernivtsi



### Who will benefit?



**104,930 inhabitants** of the city of Chernivtsi will feel more comfortable and safe in the streets during the night-time



**49 people** (project team, construction workers, experts, etc.) involved in the project implementation will contribute to local economic development



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## What will be achieved?



**558 MWh/y**, or **27 %**  
energy savings

=

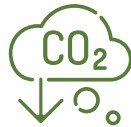


annual energy  
consumption of **30,575**  
mobile phones

=



annual energy  
consumption of  
**5,167** TVs



**514 t/y**, or **27%**  
reduction of **CO<sub>2</sub>**

=



annual emissions  
from **329** new  
cars

=



**23,364** trees needed  
to be planted to  
absorb such  
amount of **CO<sub>2</sub>**



**1,7 MWh/y**, or **0.1 %**  
production clean energy  
from renewable energy  
sources

=



annual energy  
consumption of **93**  
mobile phones

=



annual energy  
consumption of  
**16** TVs



Monetary savings **41,073 EUR** annually

=

**0.04 %** of the total budget of Chernivtsi municipality

**Covenant of Mayors** is the world's largest movement for local climate and energy actions, supported by the European Union. In the Eastern Partnership region, over 400 local authorities have voluntarily committed to reduce their CO<sub>2</sub> emissions by at least 20% by 2020 or 30% by 2030. The European Union has been supporting the Initiative in Eastern Partnership countries since 2011 with its technical, methodological and financial assistance of over 30 million Euro. This includes grants and tailor-made technical support for 34 municipalities for demonstration projects since 2015, predominantly in the area of energy efficiency.

### Covenant of Mayors — Demonstration Projects

1/3, Kostomarova str., office 5  
79005 Lviv, Ukraine  
T/F: +38 (032) 253 87 04/05  
Facebook: COMDEP2014  
www.com-dep.eu

### Business Centre NGO

Chernivtsi, Ukraine  
Facebook: EU4Chernivtsi  
Contact person:  
Mariya Porchuk,  
porchuk.eu4chernivtsi@gmail.com