

Why is important to have sustainable energy strategy?

- REDUCE AIR POLLUTION
- REDUCE ENERGY CONSUMPTION COSTS
- EFFICIENT COMMUNITY BUDGET MANAGEMENT
- QUALITY OF SERIVICES PROVIDED BY THE CITY
- CREATE MORE GREEN JOBS







Where are we? Base year emission

Where do we want to go?

How do we get there?

Action Plan approval and submission

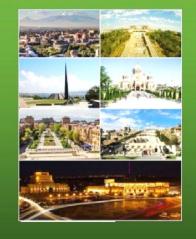
Implementation

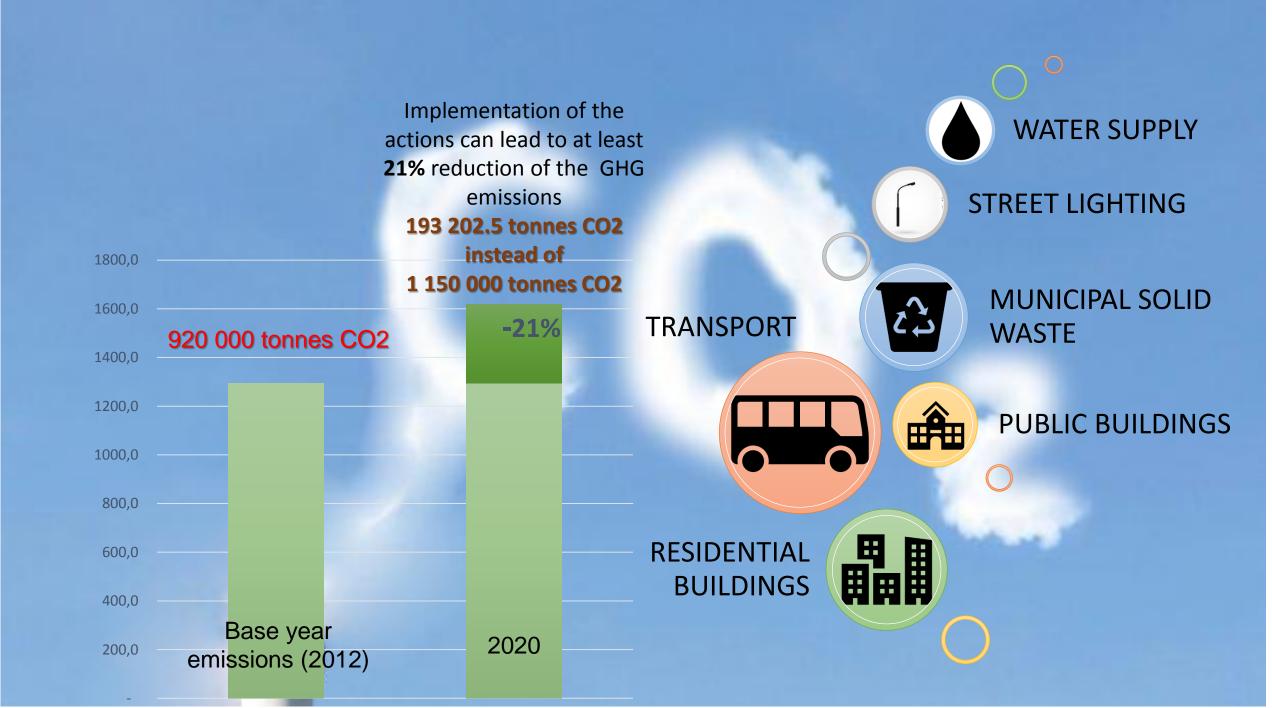
Monitoring and reporting



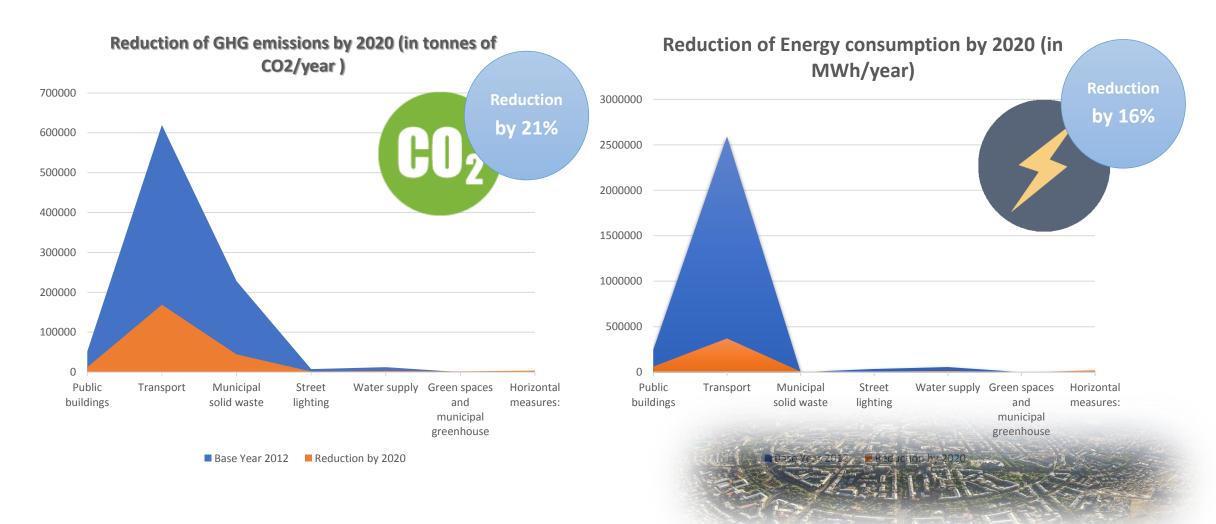


YEREVAN CITY SUSTAINABLE ENERGY ACTION PLAN





Results anticipated from implementation of the SEAP activities by sectors



Transport ••••







НЯМАЧТАЛ БАГРАМЯН

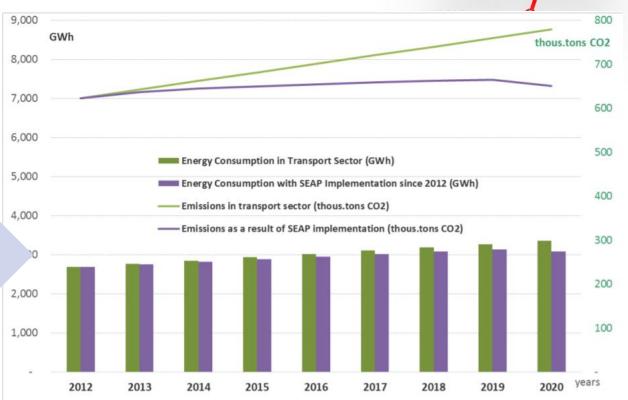


- Municipal transport
- Public and private transport
 - Road infrastructure

7 Mitigation measures

370806 MWh energy saved

168999 t C02 avoided



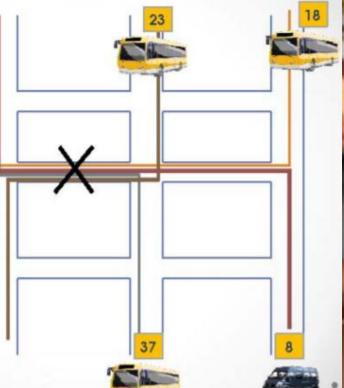
Total energy saved yearly in the transport sector for 2012-2020 (GWH) and CO2 emissions avoided yearly (thousand t CO2)

Public Transport











Public buildings



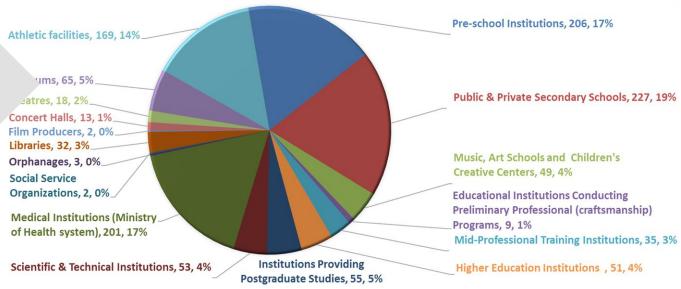
-Administrative buildings

-cultural, educational, sport, healthcare buildings under municipality's control 8 Mitigation measures

61302 MWh energy saved

12471 t C02 avoided More than 40% of public buildings (1,190 buildings, of which 501 are under municipal control or administration) are located in Yerevan and

occupy a total area of approximately 5.7 million m2.



Quantitative and percentage proportion of public buildings in Yerevan

Municipal Solid Wast

Nubarashen landfill is one of the largest landfills of municipal solid waste. It started to be used as landfill since 1950 and is located about 9-10 kilometers to the south-east from the center of the capital city occupying an area of approximately 52.3 hectares.



Energy carriers saving, MWh/year	
Electrical	Natural
energy	gas

7.000

Emission reduction, tonnes of CO₂

44,644

Activity M.1. Mitigation measure in the MSW sector, methane extraction project

The project on upgrading/closing the Nubarashen landfill, extraction of methane and generation of electrical energy there which is implemented with the support of the European Investment Bank.



domestic and other types of waste 200-220 thousan d tons annually



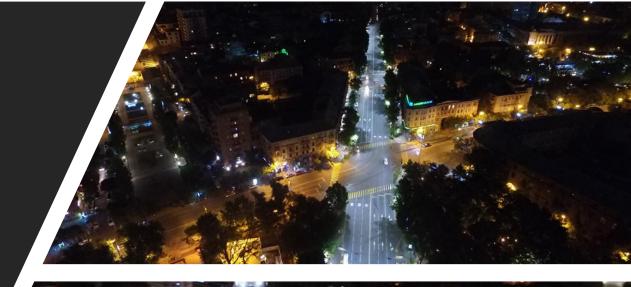
CITY LIGHTING SYS

 Improving energy efficiency and reliability of the city lighting system

-Installation of solar batteries for outdoor lighting 3 Mitigation measures

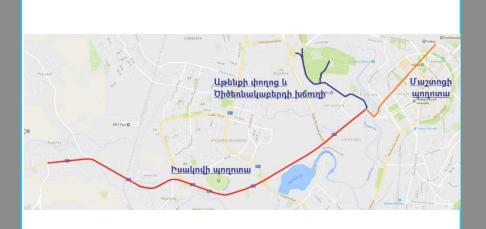
6921 MWh energy saved

1536 t C02 avoided



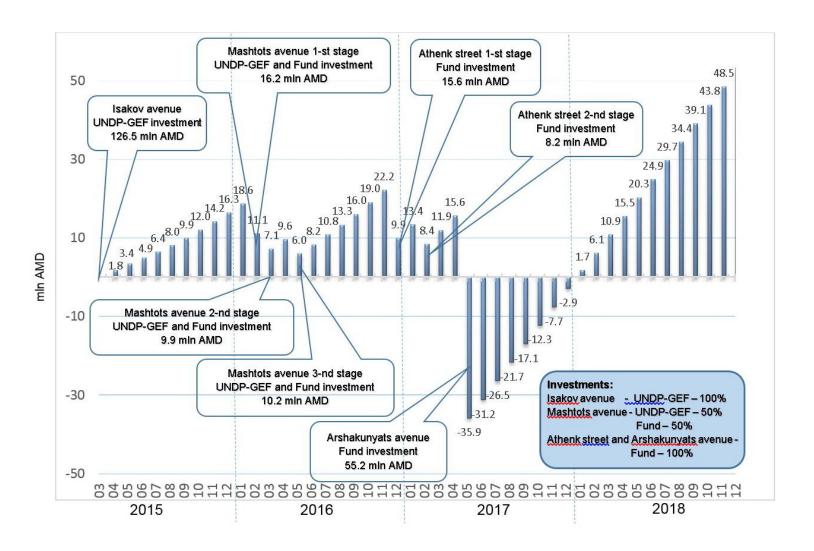




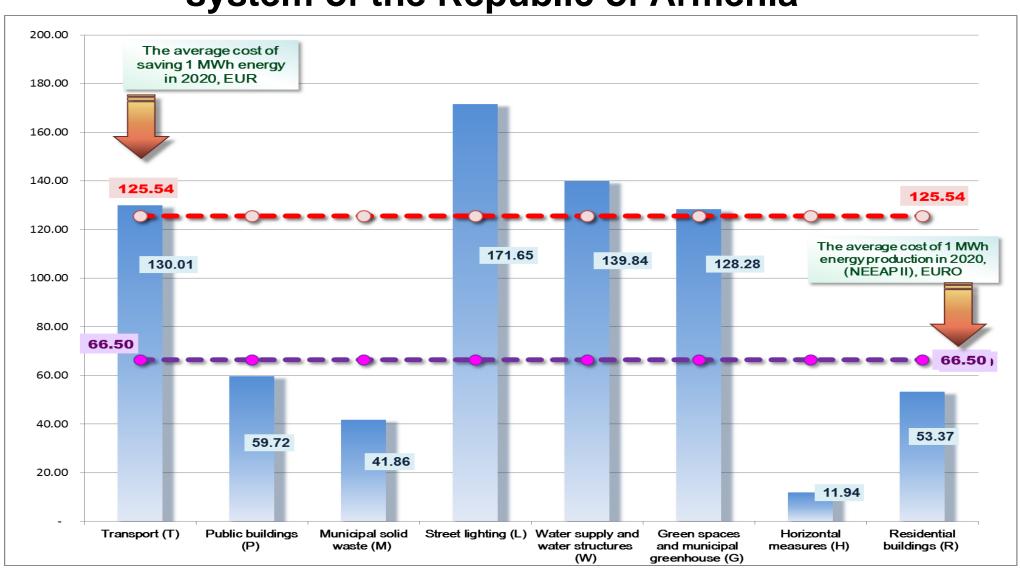




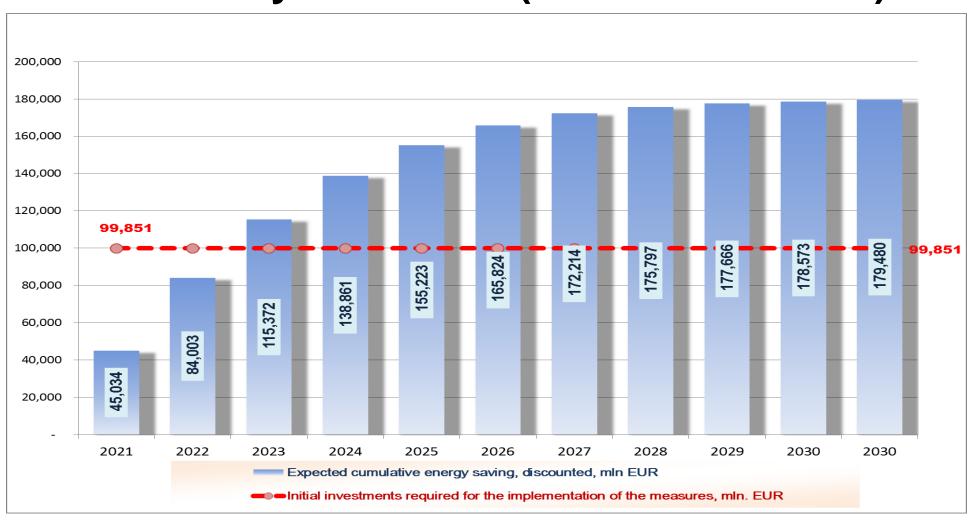
Cash Flow of the Yerevan Municipal Lighting Energy Efficiency Revolving Fund – from 2015 till present -



Investment rationale in view of the weighted average cost (in EUR) of energy production in the energy system of the Republic of Armenia



Long-term cumulative payback on energy efficiency measures (in thousand EUR)





Actions toward sustainable future of the city is our everyday goal.



Our partners





















Thank you!



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