

Energy Efficiency in Urban Lighting in the Context of Paris Agreement under UNFCCC

Diana Harutyunyan
Climate Change Program Coordinator, UNDP Armenia

Sustainable Energy Academy 2017, 25 November 2017 American University of Armenia

Paris Agreement



Ratification by National Assembly of Armenia, 8 February, 2017





Energy



Industry

CO_2



Forest



Municipal landfills

CO_2



Transport







Energy Audit of 21 Urban Lighting Systems





Demonstration projects





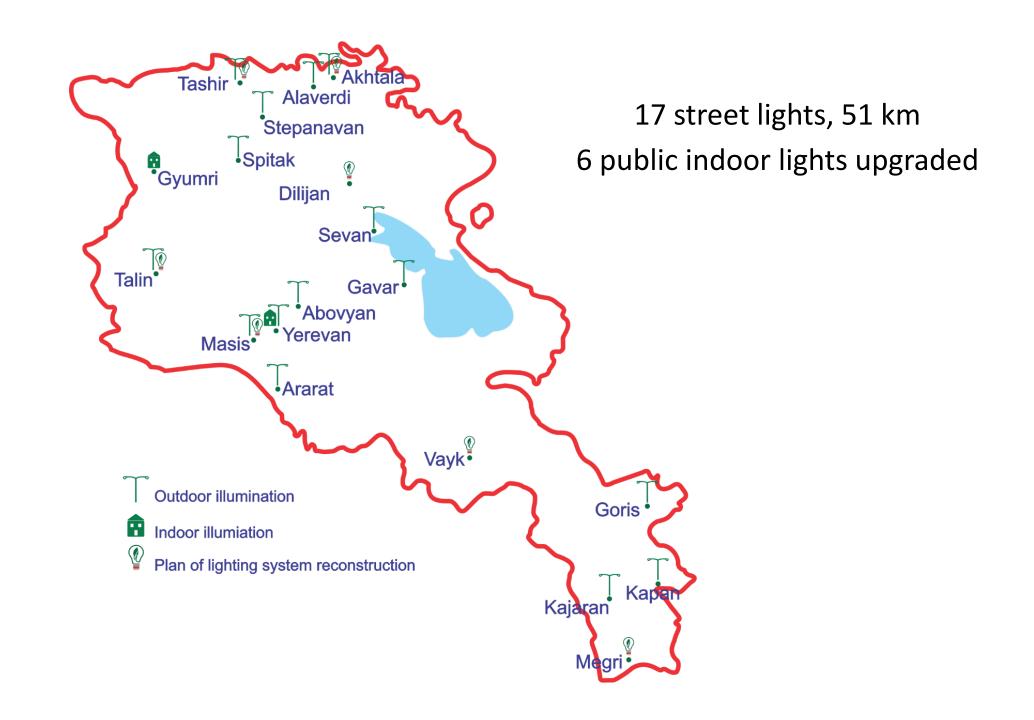
Before

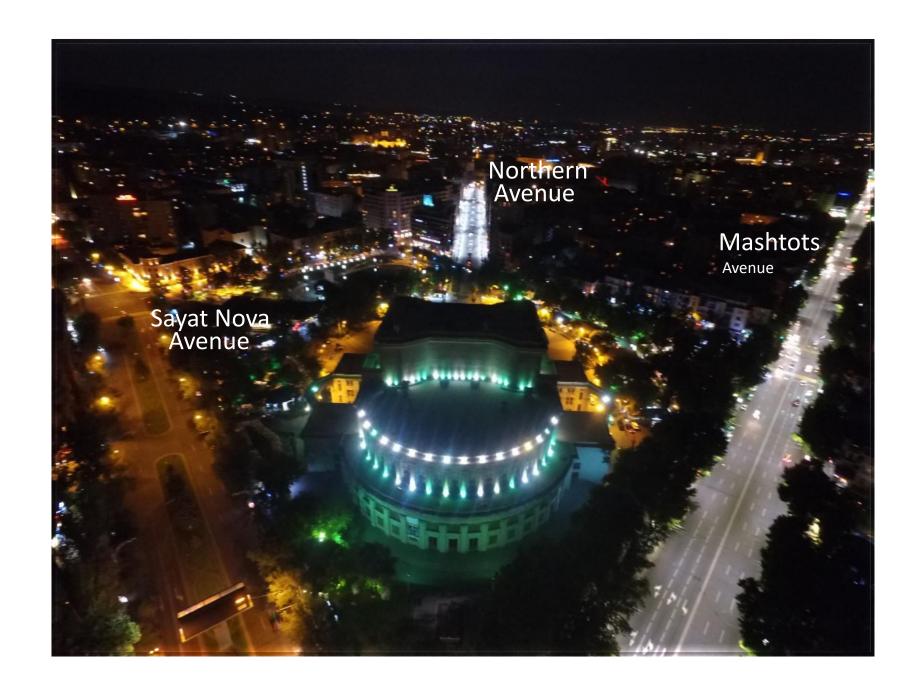




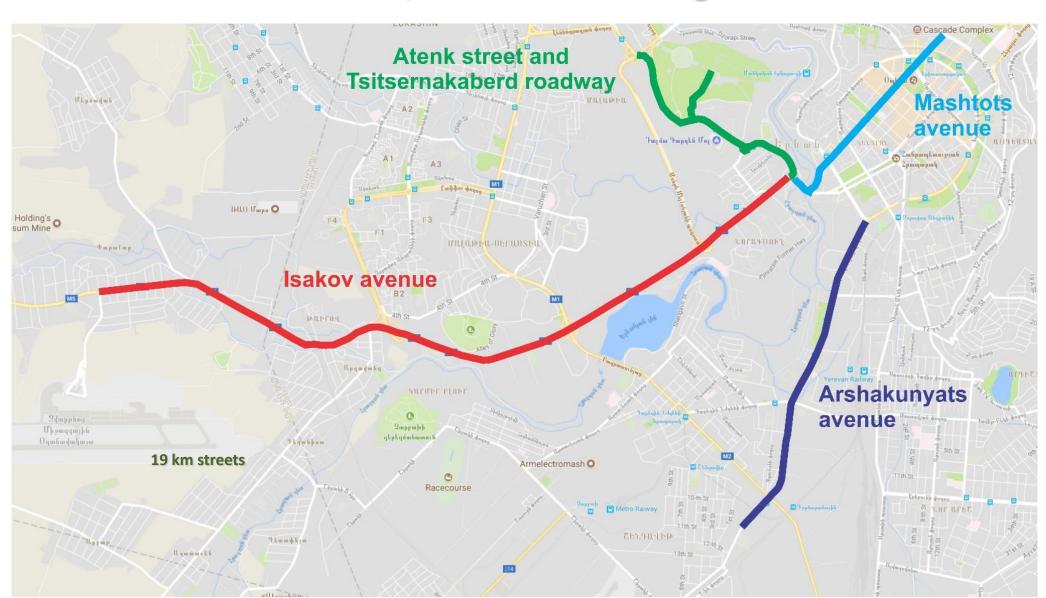
After

Reconstruction





Street lighting system improvement in Yerevan 6 streets, 1300 street LED lights

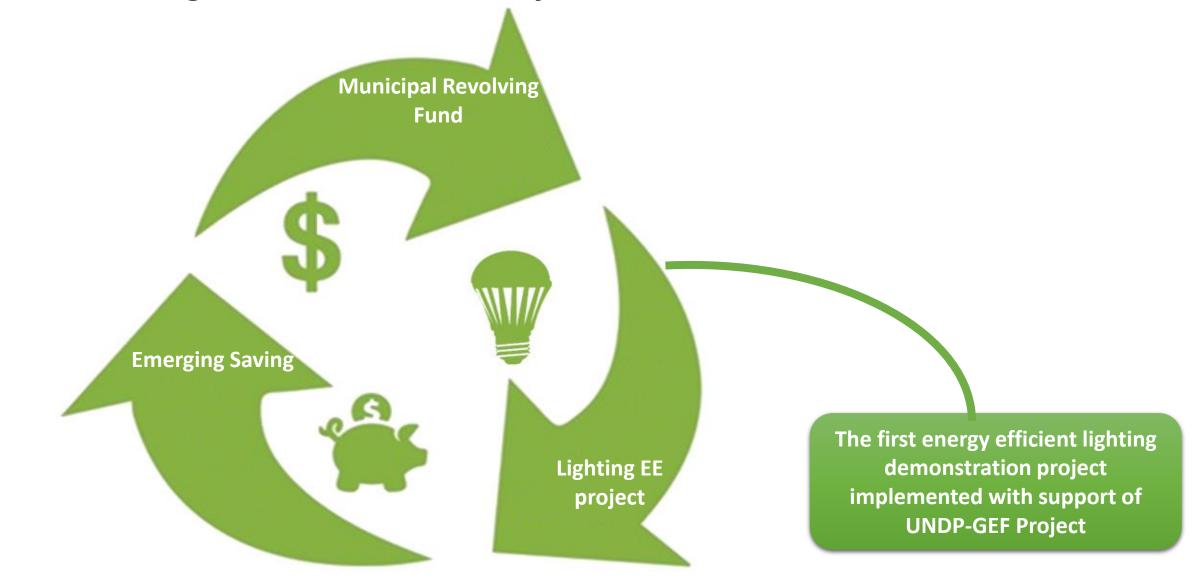




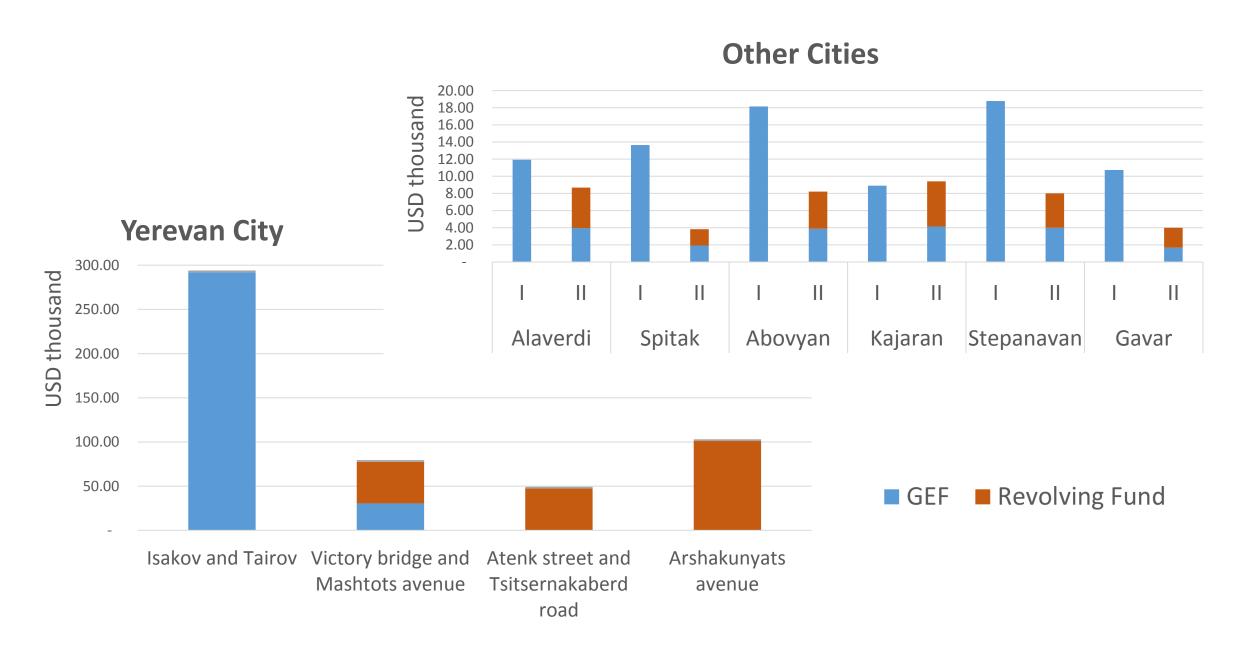


Revolving Funds are established in 11 cities

Total savings accumulated in that funds since 2015 makes 228,617 USD



Revolving funds reinvested in new lighting projects

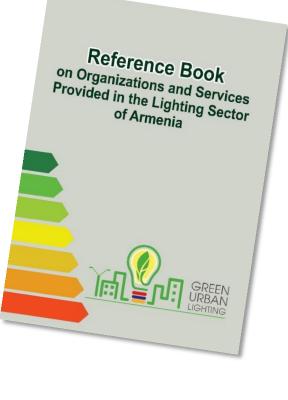


Already 70 different lamps are tested and cetified at the new photometric laboratory equipped at Yerevan Municipal Illumination company



8 SEMINARS - CAPACITY BUILDING







1.00/JUSE AUTON AUTON AUTON AUTONOMICA CHILIPURA TENTILONIA TENTIL

ՀԱՅԱՍՏԱՆԻ ՀԱՆՐԱՊԵՏՈՒԹՅԱՆ ՇԻՆԱՐԱՐԱԿԱՆ ՆՈՐՄԵՐ

ԱՐՀԵՍՏԱԿԱՆ ԵՎ ԲՆԱԿԱՆ ԼՈՒՍԱՎՈՐՈՒՄ

Հայաստանի Հանրապետության կառավարությանն առընթեր քաղաքաշինության պետական կոմիտե

> ԵՐԵՎԱՆ 2017

Ensuring sustainability through improved legislation

Mandatory energy performance requirements for outdoor and indoor lighting

Green Procurement Guide developed for public organizations, discussed and circulated

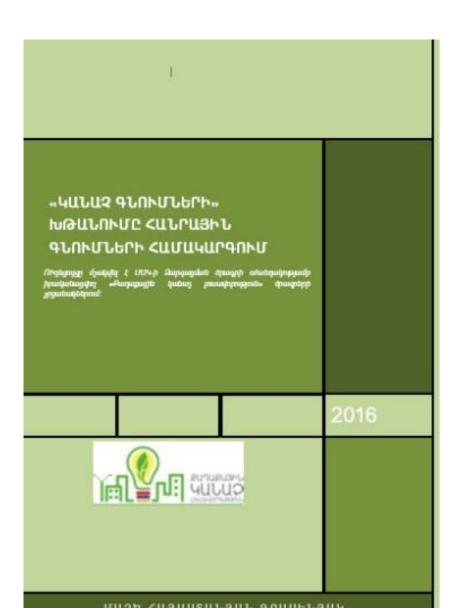
Low initial price

- Low quality
- High cost of ownership

High initial price

- High quality
- Low cost of ownership





THANK YOU!

www.nature-ic.am