EU4Energy

Covenant of Mayors for Climate & Energy

Demonstration Projects
Eastern Partnership

European Union Covenant of Mayors

Demonstration projects: expected results in figures

Project: Solar Energy in Artik and Aparan (Armenia)

Country	Armenia
Region	Shirak oblast (Artik), Aragatsotn (Aparan)
Municipality	Artik and Aparan
Covenant Signatory since	Artik: June, 2014 Aparan: September, 2013
Sustainable Energy Action Plan approved	Artik: September, 2015 Aparan: July, 2015
Sustainable Energy Action Plan targets by 2020	Artik: CO_2 emission: - 20% Aparan: CO_2 emission: - 20%
Demonstration project duration	February, 2018 – February, 2021
Demonstration Project budget, incl.	899,975 EUR
European Union grant	718,000 EUR
City contribution	181,975 EUR

What is to be done?

- Establishment of 600 kW capacity solar park in Artik
- Installation of two PV installations (House of Culture and municipality building) in Aparan, with a total capacity of 33 kW

Who will benefit?

3250 visitors to Aparan municipality and the House of Culture will benefit from higher level of public services

19500 citizens of Artik will benefit from income feeding into a revolving fund which will be used for future energy efficiency projects benefitting the citizens

26 people (project team, construction workers, experts, etc.) involved in project implementation contribute to the local economy.

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What will be achieved?

916 MWh/y production, or 100 % clean energy from renewable energy sources

=

annual energy consumption of 50,192 mobile phones

=

annual energy consumption of **8,481 TVs**

223 t/y, or **100 %** reduction of CO_2

=

annual emissions from **142 new cars**

=

10,136 trees needed to be planted to absorb such amount of CO_2

Monetary savings **65,211 EUR** annually

4% of the total budget of Artik municipality

Monetary savings **3,359 EUR** annually

0.3% of the total budget of Aparan municipality

The **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_2 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.

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