

Tbilisi Municipality City Hall

Economic Development Office

Energy Efficiency

Covenant of Mayors

In 2010, by signing the Covenant of Mayors, Tbilisi City Hall joined an initiative under which Tbilisi should become a “low carbon city” by 2020 - a goal that will be reached through the support of social and economic development of the city.

In order to achieve this goal, the Tbilisi City Hall elaborated on the Sustainable Energy Action Plan for Tbilisi. **CO₂ emissions in Tbilisi must be reduced 20% by 2020.**

SEAP is covering following sectors:

- **Transport**
- **Buildings**
- **Municipal Infrastructure**
- **Environment and Landscaping**



Transport sector Projects

Tbilisi Bus project

The project started in 2016 and will improve and modernize the bus operations in Tbilisi through the purchase of a new bus fleet of **143 CNG Man Lion's** City buses.

Total cost of the project: 39 million EURO.

The EBRD provided loan of 27 million EURO and also was co-financed by different donors. Eastern Europe Energy Efficiency and Environment Partnership ("E5P") 7 Million EURO.

Extension of Subway line to the University Station

There will be an **extension of subway line 2** to University, at the end of Saburtalo district; the tunnel to University station has already been built. The completion of the metro extension (1.5 km long), including additional civil works, implementation of systems and the creation of a station is included in this investment program. The Subway station will start to operate from **Summer 2017**.

The ADB has provide loan of 35.12 million EURO.

Rehabilitation of Tbilisi Kindergarten N 95

Location:	Tbilisi
Year of Completion:	2016
Implementation Period:	5 months
Customer:	LEPL Technology Development Fund
Project Budget:	613 000 GEL
CO ₂ Emission Reduction	23.60 tons per year

Project envisioned restoration of existing building with:

- **solar** collectors for water,
- **geothermal** pumps,
- **photovoltaic** system,
- **energy-efficient boiler**
- **renovation of building** envelope to reduce GHG emissions and provide a pilot for further measures to be taken by Tbilisi Municipality in accordance to its' SEAP.

Rehabilitation of Tbilisi City Hall buildings and 9 administrative buildings

In 2017 Tbilisi City Hall is working to design a project of the full **energy efficient rehabilitation of the Municipal buildings**.

The project provides energy audit and preparation of energy efficient project of all ten municipal buildings, so-called energy certification (energy labeling) and establishment of policy papers.

It is a pilot project in order to establish a cost-effective green lifestyle in Tbilisi, to support gradual increase of awareness of sustainable energy efficiency **SEAP measures** in the city.

The project was financed by Tbilisi city hall local budget **295 000 GEL**.



Green City Action Plan

The EBRD has begun the development of a **Green Cities Initiative**.

The Green City actions are set to enhance a city's environmental performance, should also seek to maximise economic and social co-benefits. These links between economic, social and environmental objectives provide additional motives for city leaders to undertake green city actions.

Following project outputs will be delivered:

- Technical analysis of indicators against established benchmarks in quality of environment (air, water, land/soil and biodiversity) and use of resources (water, energy, land, waste and materials);
- Completed Green City Action Plan and presentation;
- Training and capacity building workshops for the Municipality.