



# Sustainable Development Initiative

## Projects in Energy Efficiency Sphere

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# Energy Efficiency Projects for Communities – Energy Bus Project – *(Completed)*



- The “**Energy Bus Project**” was launched in 2009 and finished in 2012, in partnership with USAID/Winrock, OSCE, EBRD and Energy Efficiency Center;
- Budget: \$670K from Co-venturers and \$390K from Donors;
- In total, about **63,000** people visited the Bus in 3 years;
- The Bus made **2 full rounds across Georgia** in 3 years;
- The Project received the **National Energy Globe Award** in Wels, Austria, in November 2011, for the best energy project from Georgia.
- The Energy Bus Project has also a financial component – **a loan program for the energy efficient devices for the households** – implemented by EBRD through its \$6.6M concessional credit line to 2 Georgian commercial banks, and a subsidy scheme of 15% of the purchase value (of EE devices) funded by Co-venturers in the amount of \$1M;
- In total, more than **600 loans have been disbursed** by both banks for the total amount of about \$850,000 and with the subsidies paid out in the amount of about \$130,000 in total.



# Renewable Energy and Energy Efficiency Project for Georgian Communities – (Ongoing)



- The 2-year **RE & EE Project for Georgian Communities** was launched in early 2012 together with the Environmental Team of BP Georgia (total budget: \$850K).
- The main goal of the Project was to further increase awareness of the population and different communities through **implementation of RE & EE demo projects** in various districts of Georgia.
- Out of 200 potential sites from across Georgia, **20 projects were chosen** jointly by BP and the Implementing Partner, both in the Eastern and Western parts of the country, as well as **3 larger ones** in the capital Tbilisi.
- All 23 projects have been **fully implemented** and are operational.
- These 23 projects utilized such clean energy measures as: replacement of inefficient wood stoves with energy efficient ones, replacement of single glazed windows and wooden doors with double glazed PVC windows and doors, insulation of roofs, replacement of incandescent light bulbs with CFLs, installation of solar PVs and thermal systems, etc.
- According to the estimates, annual aggregate savings across these 23 projects will amount to about 100 m3 of fire wood, 138,075 kW/h electricity, 48,880 m3 of natural gas and 1,825 litres of diesel, resulting in annual reduction of GHG emissions equal to 257,560 kg CO2 equivalent.





# Promoting Energy Efficiency Among Georgian Communities – (Ongoing)



- **New Energy Efficiency Project for Georgian Communities** was just launched in November 2013, with total budget of \$930K and 2-year duration.
- Currently 7 Georgian municipalities headed by Tbilisi are signatories of the **EU Covenant of Mayors (CoM)** initiative, which endorses and supports local governments in implementing sustainable energy policies. By joining CoM, these cities have undertaken ambitious energy and environmental plans to reduce CO2 emissions by 20% by 2020.
- This Project envisages support to the implementation of the CoM, and aims at implementation of **7 large-scale demo projects** that would support the aim of reducing CO2 emissions, and also serve as practical examples for other projects.
- A list of publicly owned buildings will be developed in these 7 municipalities, such as schools, kindergartens, medical centers, art & sport schools, orphanages, etc., and 1 project for each city will be selected, with approximate pure investment value of \$60K per project.
- We expect significant energy savings for the beneficiaries, as well as impressive CO2 emissions' reduction in the target municipalities.





**Thank You!**