



Promotion of Biomass Production and Utilization in Georgia

“Talking climate - local action, international cooperation”

8 September 2017

About the Project

Project Started in Summer 2013

Donors and partners are:

- ▶ Global Environment facility (GEF)
- ▶ Ministry of Environment and Natural Resources Protection of Georgia (MOENRP)
- ▶ UNDP
- ▶ Private Companies
- ▶ Municipalities

Total Budget of the project \$1,080,000.

In addition more than \$500,000 in kind contribution is provided from private sector and MOENRP

Project ends in October 2017

About the Project

Overall objective of the project is to promote sustainable production and utilization of upgraded biomass fuels to meet the municipal services sector's heating needs in a sustainable and efficient way, thereby reducing dependence on fossil fuels and avoiding GHG emissions. There are four major expected outcomes of the project:

- Enhanced and approved policy and regulatory framework for efficient utilization of biomass energy
- Increased market confidence in the feasibility of production and utilization of upgraded biomass fuels and created local supply of and demand for upgraded biomass fuels
- Improved public knowledge and stakeholder capacities for bioenergy development and replication

Investment Grants

To promote sustainable production and utilization of upgraded biomass fuels in Georgia project awarded three investment grants. Nation-wide Business Plans competition was organized to determine the best candidates for grants . It was required that business plans include Production (by organizations who may ensure profitability and sustainability) and Utilization (by municipality buildings).

Information meetings held in 40 municipalities, total number of attendants was 679.

Number of submitted first applications was 28 out of which 7 proposals were supported and business plans were developed. Out of them the best three were chosen for grant support.

These are:

- ▶ LTD Nisoni
- ▶ LTD Greenergy
- ▶ National Nursery

Energy Efficiency Center and Greens Movement - Georgia provided support during the investment grants implementation process.



Investment Grants

Ltd Nisoni

Location - Phonichala

Project Size - \$253,000 USD, grant amount - \$189,000

Product - Biomass briquettes (*Pini kay*)

Main biomass material - wet and dry sawdust

Capacity - 400 Kg per Hour

Estimated annual production - 1,500 tonnes

Average selling price - 500 GEL per tonne

Number of Employees - 12

Main target market - Municipalities and public schools

Partner municipalities in the project - Marneuli

Other partner municipalities -

Gardabani, Ozurgeti, Lanchkhuti



Investment Grants

Ltd Greenergy

Location - Manavi (Sagarejo)

Project Size - \$125,000 USD, grant amount - \$90,000

Product - Biomass briquettes (*Pini kay*)

Main biomass material - vine pruning, dry sawdust

Capacity - 130 Kg per Hour

Estimated annual production - 900 tonnes

Average selling price - 600 GEL per tonne

Number of Employees - 8

Main target market - food industry, retail

Partner municipalities in the project - Sagarejo



Investment Grants

LEPL National Nursery

Location - Matani (Akhmeta)

Project Size - \$324,000 USD, grant amount - \$167,000

Product - Biomass briquettes (*RUF*)

Main biomass material - forest residues, sawdust

Capacity - 350 Kg per Hour

Estimated annual production - 1,300 tonnes

Average selling price - N/A

Number of Employees - 10

Main target market - municipalities, schools

Partner municipalities in the project - Akhmeta, Dedoplistskaro



Investment Grants

LEPL National Nursery



Other Activities

- ▶ Was developed Biomass Fuel Strategy
- ▶ Were developed Biomass fuel and combustion equipment standards
- ▶ Were developed promotional materials
- ▶ Biomass Association was established
- ▶ biomass.ge website was created
- ▶ Stakeholders meetings were conducted on regular bases to increase involvement of all interested parties
- ▶ Training for producers was conducted
- ▶ Several feasibility studies and biomass raw materials availability researches were conducted