



Energy Policy Talks

"Energy Efficiency and Renewable Energy"

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INOGATE event
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NEFCO – A Nordic Financial Institution

- **NEFCO is probably the smallest among all IFI**
 - We do "small" projects i.e. 1 - 5 MEUR
 - We do "small" components of large projects
- **NEFCO's single largest concern is the environment**
 - We need to see improvements when **measuring** before and after project implementation (**CO₂**)
 - Efficient use of resources reduces costs and reduces emissions
 - Financial **and** environmental impact

Financial and Environmental Impact

- Financial and environmental **sustainability**
 - We need to see the impacts repeated **and** for many years
- The Nordics and Georgia are the same
 - The principles and methodology behind financing "green projects" are the same
- So are the results
 - Increased competitiveness, larger economy and reduced dependency of imported energy carriers (plus health effects etc. etc.)



Energy Efficiency and Renewable Energy

Renewables	Energy Efficiency	
Supply Side	Demand Side	
Wind, Hydro, Biomass	Industrial Energy Efficiency	Energy Efficiency in Buildings
Capital Budgeting decision i.e. NPV, IRR etc	Capital Budgeting decision i.e. NPV, IRR etc	"Infrastructural Projects" & Cost-Benefit calculations

Ex. Future Projects with E5P grant

- **Energy Efficiency in public buildings** like schools, hospitals and kindergartens – demand side project
 - Efficient heat generation, substations, windows, doors, wall and roof insulation, heat recovery, replacement of electrical equipment etc.
- **Experience:**
 - 30 – 40% reduction in energy consumption
 - CO₂ emissions reductions, around 800 t/a per MEUR
 - 7 "schools" or approx. 12.000 m² per 1 MEUR
 - 7 – 9 years payback time

Support to EE & RES in GE (DANIDA)

DEVELOPMENT ENGAGEMENT 1

MFA - DEP. EUROPEAN
NEIGHBOURHOOD / 2,4 MEUR

POLICY ADVISE ON: GRID
CODE REGULATIONS -
RENEWABLES

POLICY ADVISE ON: EE
LABELLING SYSTEM OF
ELECTRIC APPLIANCES

POLICY ADVISE ON: EE
REQUIREMENTS IN
BUILDING CODES

DEVELOPMENT ENGAGEMENT 2

NEFCO VIA A TRUST FUND
1,6 MEUR

IMPLEMENTATION OF:
EE MEASURES IN PUBLIC
BUILDINGS

IMPLEMENTATION OF:
EE AWARENESS RAISING

IMPLEMENTATION OF:
TRAINING OF ENERGY
AUDITORS

NEFCO

- IFI, Established 25 years ago by the five Nordic Governments
 - Denmark, Finland, Norway, Sweden and Iceland
- Original Focus: Reduction of nutrient load to the Baltic Sea as well as mitigation of toxic discharges in the Arctic region
- Now: Additional focus on reductions of GHG emissions
 - Extended geographic mandate - **Framework Agreement with Georgia**, since end 2014
- Expected investments in **both** public and private sector
- Less than 35 staff members, HQ in Helsinki