

Co-operation between public and private sectors and international organizations



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Energy as a development issue in Central Asia



| Rural School - Premises | Temperature °C |
|---------------------------------|----------------|
| Classroom: 1st grade | 6,9 |
| Classroom: Russian language # 1 | 6,4 |
| Classroom: Russian language # 2 | 7,1 |
| Staff room | 7,7 |
| Classroom: 3rd grade | 7,8 |
| Classroom: 4th grade | 9,7 |
| Classroom: English language | 8,1 |
| Classroom: 7th grade | 5,1 |
| Classroom: 2nd grade | 5,7 |
| Corridor | 4,4 |

Heat supply system and in-door temperature in a representative rural school in Central Asia

Source: UNDP/GEF Project report, December 2010

Montenegro – Small Hydro Power



Issue:

30% of electricity **imported**
Only 17% of hydro potential used

Action:

Project intervention: Create conditions for **sHPP** by

- **simplifying** application procedures
- **collecting basic data** for investment decisions
- setting **attractive** but **competitive** business terms for investors
- **Streamlining tendering** process

Results:

Successful tender for 10 water streams
Spatial planning guidelines
Simplified admin. procedures >1MW power plants
23 sHPPs getting construction license and additional **12 sHPPs** starting same procedure

Energy Efficiency in Buildings



- Savings on electricity/ hot water bills
- Increased living comfort
- Reduction of GHG emissions
- Employment opportunities
- Reducing energy imports

Source: UNEP/WHO Project, Zagreb, September

Energy Efficient District Heating - Armenia

- New legal and regulatory framework for rehabilitation of DH systems, including feed-in tariff for power generation
- USD 10m direct foreign (private) investments leveraged into new DH system (Avan district of Yerevan, 213 buildings, 30.000 residents)
- System features combined heat and electricity and introduced apartment level metering
- 640 new contracts signed between customers and heat supply companies in the pilot areas



Multi-apartment panel building with exhaust chimney from gas heater installed in one apartment



Heat meter installed at the entrance to an apartment in Avan district of Yerevan


UNDP
Empowered People. Reduced Poverty.

Sustainable Energy Solutions

Coordinated Collaboration

| | | | | |
|--|--|--|---|--|
| <p>Governments: policies, subsidies</p> | <p>Development partners: capacity development + business skills</p> | <p>Private sector: manufacture, sell & service energy technologies + embrace entrepreneurial spin-off</p> | <p>Civil Society: mobilize communities & disseminate information</p> | <p>Financial Institutions: loans, micro-financing</p> |
|--|--|--|---|--|

Thank you

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