



**Economic and Social  
Council**

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**ECONOMIC COMMISSION FOR EUROPE**

Steering Committee of the Energy Efficiency 21 Project

UNF/UNFIP Energy Efficiency Investments for Climate Change Mitigation

**Project Identification Form**

1. This Form is intended for early identification of technically and financially viable projects in the field of energy efficiency. It is designed to help the specialists reviewing it to understand the context, key issues and requirements of your project. Please give special care and attention to every item of the Form. Missing essential elements may cause unnecessary delays in the process or lead to misinterpretation of the merits of your project.
2. There is one special page 1 for each of the four project categories:
  - Heat production and distribution
  - Street lighting
  - Buildings
  - Industry

The rest of the forms are identical for all project categories.

3. The definition of "Owner/Project Sponsor" is a person or entity that initiates, owns and promotes the project and has decision making power on borrowing or equity distribution.

**HEAT PRODUCTION AND DISTRIBUTION**

Project name:		Demonstration Zone:		
Owner (Project Sponsor):				
Owner's representative:				
Address:		Telephone:		
City:		Telefax:		
Country:		E-mail:		
Plant capacity: MW		Year of construction:		
Type of boilers installed (heat only, co-generation, captive):				
Distribution net extension:		m		
Age of net:				
Number of distribution substations:				
Main end-users/customers (number, private/commercial, etc.):				
Any renovation implemented the last 3 years?				
Legal status of owner/sponsor (mark appropriate box):				
Public Company	Municipality	Private Company	To be privatised	Other (specify):

**Energy Consumption**

	Energy meters installed? (Yes/no?)	Annual consumption		Today's price in USD
		1998	1999	
Oil			tons	/tons
Gas			m <sup>3</sup>	/m <sup>3</sup>
Electricity			kWh	/kWh
Others				

### STREET LIGHTING

Project name:		Demonstration Zone:		
Owner (Project Sponsor):				
Owner's representative:				
Address:		Telephone:		
City:		Telefax:		
Country:		E-mail:		
Type of street lighting:				
Year of construction:				
Total installed capacity (kW):				
Number of light fittings:				
Prevailing types and capacities (W):				
Type of control (manual, timer, day light control):				
Legal status of owner/sponsor (mark appropriate box):				
Public Company	Municipality	Private Company	To be privatised	Other (specify):

### Energy Consumption

	Energy meters installed? (Yes/no?)	Annual consumption		Today's price in USD
		1998	1999	
Electricity, total (energy)			kWh	/kWh
Electricity, total (power)			kW	/kW
Electricity, day			kWh	/kWh
Electricity, night			KWh	/kWh

Who pays the energy bills, and from what source(s)?

**ENERGY EFFICIENCY IN BUILDINGS**

Project name:		Demonstration Zone:		
Owner (Project Sponsor):				
Owner's representative:				
Address:		Telephone:		
City:		Telefax:		
Country:		E-mail:		
Building category (Hospital, apartments, office, school):		Year of construction:		
		Heated floor area: m <sup>2</sup>		
Type of heating system:				
Type of ventilation system:				
Type of domestic hot water system:				
Type of automatic control system:				
Other energy consuming installations?				
Legal status of owner/sponsor (mark appropriate box):				
Public Company	Municipality	Private Company	To be privatised	Other (specify):

**Energy Consumption**

	Energy meters installed? (Yes/no?)	Annual consumption		Today's price in USD
		1998	1999	
Electricity, total energy			kWh	/kWh
Electricity, max power			kW	/kW
District heating			MJ	/MJ
Oil			tons	/tons
Gas			m <sup>3</sup>	/m <sup>3</sup>
Other				

Energy bill based on (measurement, m<sup>3</sup>, m<sup>2</sup>):

Who pays the energy bills, and from what source(s)?

**ENERGY EFFICIENCY IN INDUSTRY**

Project name:		Demonstration Zone:		
Owner (Project Sponsor):				
Owner's representative:				
Address:		Telephone:		
City:		Telefax:		
Country:		E-mail:		
Industrial category:		Products:		
No of employees:		Turnover in 1999 (USD):		
<p>Company History, Activities and Prospects (Briefly discuss the nature, strengths, risks, current situation and future plans of the business):</p> <p style="text-align: right;">(Please add additional pages if necessary)</p>				
Legal status of owner/sponsor (mark appropriate box):				
Public Company	Municipality	Private Company	To be privatised	Other (specify):

**Energy Consumption**

	Energy meters installed? (Yes/no?)	Annual consumption		Today's price in USD
		1998	1999	
Electricity, total energy			kWh	/kWh
Electricity, max power			kW	/kW
District heating			MJ	/MJ
Oil			tons	/tons
Gas			m <sup>3</sup>	/m <sup>3</sup>
Other				

**PROPOSED MEASURES AND FINANCING**

<b>Object</b>	<b>Measure</b>	<b>Estimated investment in USD</b>	<b>Estimated savings in USD/year</b>
<b>Total investments and savings</b>			

Lifetime of the project	Proposed start of implementation	Expected implementation time	
Years	(day/month/year)	Years	Months

**PRELIMINARY FINANCING PLAN**

	<b>Type</b> (in kind/equity/cash)	<b>USD</b>	<b>% of Total</b>	<b>Interest rate</b> %
Owner (Sponsor)'s own resources				
Equity capital funding				
Loan from local banks				
Loan from international sources				
Grants				
What kind of guarantee can the owner procure (bank/utility/government)?				

## GENERAL COMMENTS AND ADDITIONAL INFORMATION

### **Brief project description**

### **The nature of the market for the enterprise's products or services**

(Briefly discuss the nature of the market, its location and size, type of consumers, financial position of buyers, advantages of your product or service over the competition)

### **Benefits details**

(Describe the benefits to the national and local economy expected from the project, covering the specific impact on: energy and environmental improvements, export promotion, import substitution, job creation, productivity improvements, technology transfer)

(Please add additional pages if necessary)

Date:

Signature:



### SUMMARY CASHFLOW ANALYSIS

All figures in USD thousand

Year	0	1	2	3	4
1. Capital investment <sup>1</sup>					
2. Revenue <sup>1</sup>					
3. Energy savings <sup>1</sup>					
4. Other benefits and income <sup>1,2</sup>					
5. Operation & Maintenance cost <sup>1</sup>					
6. Other costs <sup>1</sup>					

<sup>1</sup> as related to the project

<sup>2</sup> including reduction of environmental fees, taxes, penalties, etc.

### Other Financial Parameters

Taxes	Applied on	Applicable rate (%)
• profit		
• VAT		
• others		
Depreciation		