Technology Fact Sheet

Technology Name	**Heat metering per apartment**[i] http://www.google.md/url?sa=t&rct=j&q=&esrc=s&frm=1&source=web&cd=2&ved=0CCcQFjAB&url=http%3A%2F%2Fsiteresources.worldbank.org%2FEXTEAPASTAE%2FResources%2F2822887-1163788250255%2FChina%2BDH%2BWS%2B2005%2B6%2BMetering.pdf&ei=dsieT8RNlPfhBNzN5akO&usg=AFQjCNGITeqFuPfiNqd3IigrlHj0vgB4tQ&sig2=-yNh2ICyA6CHYhDlpq4OOg
Subsector GHG emission (megatons CO2-eq)	GHG emissions in the buildings sector in 2009 accounted for 2825 Gg, of which 75% (2120 Gg) - from residential buildings.
Background/Notes, Short description of the technology option	Currently the residential buildings have heat meters. Implementation of the heat consumption regulation by heating elements will enable consumers to adjust their own consumption. The switch from a vertical distribution to the horizontal one will require metering by apartments. This will reduce consumption by at least 5%.
Implementation assumptions. How the technology will be implemented and diffused across the subsector? Explain if the technology could have some improvements in the country environment.	Can be implemented in buildings within the district heating network which account for approx. 60% of urban housing stock.
Implementation barriers	- Significant investments. - Significant works in apartments for switching to a new heat distribution system.
Reduction in GHG emissions (megatons CO2-eq)	Reduction of 0.22 mln.t CO_2 in between 2010 – 2030
Impact Statements - Impact of this option on the country's development priorities	
Country **social** development priorities	Improves indoor comfort. Reduce consumers spending.
Country **economic** development priorities – economic benefits	By 2030 reduce fuel consumption by more than 120 thousand tone coal equivalent (t.c.e) per year
Country **environmental** development priorities	Reduce harmful emissions
Other considerations and priorities such as market potential	-
Costs	
Capital costs	Total investments of cca 90 mil.USD
Operatonal and Maintenance costs	Operational and Maintenance costs will increase insignificantly
Cost of GHG reduction	
Lifetime.	Lifetime – 15 years
Other	-

[i] This fact sheet has been extracted from TNA Report - Technology Needs Assessment for climate change mitigation - Republic of Moldova. You can access the complete report from the TNA project website **http://tech-action.org/**