Technology Fact Sheet

Technology Name	**Automatic temperature regulation, including "night" mode**[i] http://www.google.md/url?sa=t&rct=j&q=&esrc=s&frm=1&source=web&cd=11&ved=0CCIQFjAAOAo&url=http%3A%2F%2Fwww.rehau.com%2Fcms%2Fservlet%2Flinkableblob%2FUS_en%2F110046%2Fdata%2FDualSensingDigitalThermostatInstructions_855865_04-11-data.pdf%3Fview%3DDEFAULT&ei=2_SeT4vhBbH64QTGtOSpDg&usg=AFQjCNGjAQWvsfeJg3msPZFAqT4lW0pevw
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	Administrative buildings work five days a week, on average, 10 hours a day. The remaining time the temperature can be lowered to "night" mode of 10 - 12 0C. This would allow to save more than 700 TJ thermal energy per year.
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.	This process does not require special efforts except for the knowledge and initiative from the part of decision-makers.
Implementation barriers	- Lack of knowledge and initiative from the part of decision-makers.
Reduction in GHG emissions (megatons CO2-eq)	Reduction of 0.42 mln.t CO_2 in between 2010 – 2030.
Impact Statements - Impact of this option on the country's development priorities	
Country **social** development priorities	Reduce consumers spending
Country **economic** development priorities – economic benefits	By 2030 reduce fuel consumption by more than 24 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 12 mil.USD
Operational and Maintenance costs	Operational and Maintenance costs will not change
Cost of GHG reduction	The specific cost of reduction will be 29 USD/t
Lifetime.	Lifetime – 10 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/**