

NS-49 - Construction of New Energy Efficient Buildings Based on Energy Efficiency Regulation in Serbia

Serbia

NAMA for Recognition

A Overview

A.1 Party	Serbia														
A.2 Title of Mitigation Action	Construction of New Energy Efficient Buildings Based on Energy Efficiency Regulation in Serbia														
A.3 Description of mitigation action	<p>Although Serbia has introduced a regulation in the 1970's that requires minimum energy efficiency for new residential and non-residential buildings, and has continuously improved the regulation, the country is taking one further step to make the regulation even much stricter than the previous standard. Under the new regulation, "Regulations on Energy Efficiency in Buildings", all new buildings will be installed with better thermal insulation of non-transparent elements, including external walls, partitions to unheated space, roofs, ceilings, etc., and with better windows quality, such as five-chamber PVC frames, etc. This allows specific annual heat energy consumption for new residential buildings will decrease from 100 to 60 kWh/m²y, and that for new non-residential buildings from 110 to 70 kWh/m²y and GHGs emission reduction will be achieved</p>														
A.4 Sector	<table border="1"> <tr> <td><input type="checkbox"/> Energy supply</td> <td><input type="checkbox"/> Transport and its Infrastructure</td> </tr> <tr> <td><input checked="" type="checkbox"/> Residential and Commercial buildings</td> <td><input type="checkbox"/> Industry</td> </tr> <tr> <td><input type="checkbox"/> Agriculture</td> <td><input type="checkbox"/> Forestry</td> </tr> <tr> <td><input type="checkbox"/> Waste management</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other <input type="text"/></td> </tr> </table>	<input type="checkbox"/> Energy supply	<input type="checkbox"/> Transport and its Infrastructure	<input checked="" type="checkbox"/> Residential and Commercial buildings	<input type="checkbox"/> Industry	<input type="checkbox"/> Agriculture	<input type="checkbox"/> Forestry	<input type="checkbox"/> Waste management		<input type="checkbox"/> Other <input type="text"/>					
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A.5 Technology	<table border="1"> <tr> <td><input type="checkbox"/> Bioenergy</td> <td><input type="checkbox"/> Cleaner fuels</td> </tr> <tr> <td><input checked="" type="checkbox"/> Energy Efficiency</td> <td><input type="checkbox"/> Geothermal</td> </tr> <tr> <td><input type="checkbox"/> Hydropower</td> <td><input type="checkbox"/> Solar Energy</td> </tr> <tr> <td><input type="checkbox"/> Wind Energy</td> <td><input type="checkbox"/> Ocean Energy</td> </tr> <tr> <td><input type="checkbox"/> Carbon Capture and Storage</td> <td><input type="checkbox"/> Low till / No till</td> </tr> <tr> <td><input type="checkbox"/> Land fill gas collection</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other <input type="text"/></td> </tr> </table>	<input type="checkbox"/> Bioenergy	<input type="checkbox"/> Cleaner fuels	<input checked="" type="checkbox"/> Energy Efficiency	<input type="checkbox"/> Geothermal	<input type="checkbox"/> Hydropower	<input type="checkbox"/> Solar Energy	<input type="checkbox"/> Wind Energy	<input type="checkbox"/> Ocean Energy	<input type="checkbox"/> Carbon Capture and Storage	<input type="checkbox"/> Low till / No till	<input type="checkbox"/> Land fill gas collection		<input type="checkbox"/> Other <input type="text"/>	
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A.6 Type of action	<table border="1"> <tr> <td><input type="checkbox"/> National/ Sectoral goal</td> <td><input type="checkbox"/> Project: Investment in machinery</td> </tr> <tr> <td><input type="checkbox"/> Strategy</td> <td><input checked="" type="checkbox"/> Project: Investment in infrastructure</td> </tr> <tr> <td><input checked="" type="checkbox"/> National/Sectoral policy or program</td> <td><input type="checkbox"/> Project : other</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other <input type="text"/></td> </tr> </table>	<input type="checkbox"/> National/ Sectoral goal	<input type="checkbox"/> Project: Investment in machinery	<input type="checkbox"/> Strategy	<input checked="" type="checkbox"/> Project: Investment in infrastructure	<input checked="" type="checkbox"/> National/Sectoral policy or program	<input type="checkbox"/> Project : other	<input type="checkbox"/> Other <input type="text"/>							
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A.7 Greenhouse gases covered by the action	<input type="checkbox"/> CO2	<input type="checkbox"/> CH4
	<input type="checkbox"/> N2O	<input type="checkbox"/> HFCs
	<input type="checkbox"/> PFCs	<input type="checkbox"/> SF6
	<input type="checkbox"/> Other <input type="text"/>	

B National Implementing Entity

B.1.0	Name	Ministry of Construction and Urbanism
B.1.1	Contact Person 1	Ms. Jasminka Pavlovic
B.1.2	Address	22-26 Nemanjina Street, 11000 Belgrade
B.1.3	Phone	+381 11 3616 420
B.1.4	Email	il.jasminka.pavlovic@mgu.gov.rs
B.1.5	Contact Person 2	
B.1.6	Address	
B.1.7	Phone	
B.1.8	Email	
B.1.9	Contact Person 3	
B.1.10	Address	
B.1.11	Phone	
B.1.12	Email	
B.1.13	Comments	

C Expected timeframe for the implementation of the mitigation action

C.1	Number of years for completion	8
C.2	Expected start year of implementation	2013

D Currency

D.1	Used Currency	<input type="text" value="AED"/>
		Conversion to USD: 1

E Cost

E.1.1	Estimated full cost of preparation	1000000
E.1.2	Comments on estimated full cost of preparation	
E.2.1	Estimated full cost of implementation	
E.2.2	Comments on estimated full cost of implementation	
E.3.1	Estimated incremental cost of implementation	
E.3.2	Comments on estimated incremental cost of implementation	

F Estimated emission reductions

F.1	Amount	0.275
F.2	Unit	<input type="text" value="MtCO2e/yr"/>
F.3	Additional information (e.g. if available, information on the methodological approach followed)	Total reduction calculated for 30 years with general calculation method based on IPCC Guidelines is 8,258,460 tCO2e

G Other indicators

G.1	Other indicators of implementation	Reduction of fossil fuel import, creation of employment opportunities, awareness raising among general public regarding energy saving
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H Other relevant information

H.1 Other relevant information including co-benefits for local sustainable development	Regulation on Energy Efficiency in Buildings adopted in August 2011 and came into force in September 2012
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I Relevant National Policies strategies, plans and programmes and/or other mitigation action

I.1	Relevant National Policies
I.2	Link to other NAMAs

J Attachments

J	Attachments	Title Description
J.1	Attachment description	
J.2	File	<input type="text"/> <input type="button" value="Browse..."/>