

NS-35 - Introduction 1000 MW of small biomass boilers in Serbia

Serbia

NAMA Seeking Support for Implementation

A Overview

A.1 Party	<input type="text" value="Serbia"/>
A.2 Title of Mitigation Action	Introduction 1000 MW of small biomass boilers in Serbia
A.3 Description of mitigation action	The NAMA aims to install 1000 MW of new biomass boilers for all residential, commercial and industrial sectors throughout the country that will be fueled by either wood waste (pellets or wood chips) or agricultural waste.
A.4 Sector	<input checked="" type="checkbox"/> Energy supply <input type="checkbox"/> Residential and Commercial buildings <input type="checkbox"/> Agriculture <input type="checkbox"/> Waste management <input type="checkbox"/> Transport and its Infrastructure <input type="checkbox"/> Industry <input type="checkbox"/> Forestry <input type="checkbox"/> Other <input type="text"/>
A.5 Technology	<input checked="" type="checkbox"/> Bioenergy <input type="checkbox"/> Energy Efficiency <input type="checkbox"/> Hydropower <input type="checkbox"/> Wind energy <input type="checkbox"/> Carbon Capture and Storage <input type="checkbox"/> Land fill gas collection <input type="checkbox"/> Cleaner Fuels <input type="checkbox"/> Geothermal energy <input type="checkbox"/> Solar energy <input type="checkbox"/> Ocean energy <input type="checkbox"/> Low till / No till <input type="checkbox"/> Other <input type="text"/>
A.6 Type of action	<input type="checkbox"/> National/ Sectoral goal <input type="checkbox"/> Strategy <input checked="" type="checkbox"/> National/Sectoral policy or program <input checked="" type="checkbox"/> Project: Investment in machinery <input type="checkbox"/> Project: Investment in infrastructure <input type="checkbox"/> Project: Other <input type="checkbox"/> Other <input type="text"/>
A.7 Greenhouse gases covered by the action	<input type="checkbox"/> CO2 <input type="checkbox"/> N2O <input type="checkbox"/> PFCs <input type="checkbox"/> CH4 <input type="checkbox"/> HFCs <input type="checkbox"/> SF6 <input type="checkbox"/> Other <input type="text"/>

B National Implementing Entity

B.1.0 Name	Ministry of Energy, Development and Environmental Protection
B.1.1 Contact Person 1	Predrag Milanović
B.1.2 Address	Kralja Milana 36, Belgrade
B.1.3 Phone	+381 11 33 46 755
B.1.4 Email	predrag.milanovic@merz.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 4
- C.2 Expected start year of implementation 2015

D Currency

- D.1 Used Currency
Conversion to USD: 1

E Cost

- E.1.1 Estimated full cost of implementation 250000000
- E.1.2 Comments on full cost of implementation
- E.2.1 Estimated incremental cost of implementation
- E.2.2 Comments on estimated incremental cost of implementation

F Support required for the implementation the mitigation action

- F.1.1 Amount of Financial support 250000000
- F.1.2 Type of required Financial support
 - Grant
 - Loan (sovereign)
 - Loan (Private)
 - Concessional loan
 - Guarantee
 - Equity
 - Carbon finance
 - Other
- F.1.3 Comments on Financial support 250 million EUR which will be distributed as loans with some incentives to the boiler owners.
- F.2.1 Amount of Technological support
- F.2.2 Comments on Technological support
- F.3.1 Amount of capacity building support
- F.3.2 Type of required capacity building support
 - Individual level
 - Institutional level
 - Systemic level
 - Other
- F.3.3 Comments on Capacity Building support
- F.4 Financial support for implementation required
- F.5 Technological support for implementation required
- F.6 Capacity Building support for implementation required

G Estimated emission reductions

- G.1 Amount 0.41
- G.2 Unit

G.3 Additional information (e.g. if available, information on the methodological approach followed)	Total reductions 10.36 MtCO ₂ e for 25 years
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H Other indicators

H.1	Other indicators of implementation
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I Other relevant information

I.1 Other relevant information including co-benefits for local sustainable development	- Improvement of local environmental condition - wood waste and agricultural waste would be used for heat generation - This action will help develop rural economy - biomass market - Creation of local employment opportunities - Energy security - reducing dependence on imported fossil fuels
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J Relevant National Policies strategies, plans and programmes and/or other mitigation action

J.1 Relevant National Policies	National Renewable Energy Action Plan of Republic Serbia (NREAP)
J.2 Link to other NAMAs	.

K Attachments

K Attachments	<table border="1"> <thead> <tr> <th>Title</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Introduction 1000 MW of small biomass boilers in Serbia.pdf</td> <td></td> </tr> </tbody> </table>		Title	Description	Introduction 1000 MW of small biomass boilers in Serbia.pdf	
	Title	Description				
Introduction 1000 MW of small biomass boilers in Serbia.pdf						
K.1 Attachment description						
K.2 File	<input type="text"/>	<input type="button" value="Browse..."/>				

L Support received

L.1 Outside the Registry											
L.2 Within the Registry	<table border="1"> <thead> <tr> <th>Support provided</th> <th>SupportType</th> <th>Amount</th> <th>Comment</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Support provided	SupportType	Amount	Comment	Date					
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