United Nations
Framework Convention on
Climate Change

NAMA Seeking Support for Implementation

A.1 Party	Republic of Serbia
A.2 Title of Mitigation Action	Expansion of existing heating network in Valjevo
A.3 Description of mitigation action	The NAMA is the expansion of the existing district heating network to the city areas of Valjevo with the aim of energy efficiency improvement and air pollution reduction. Total heat capacity to be connected to the district heating system under the project will be 37.85 MW. The mitigation action involves installation of a hot water network in the length of 9.7 km and closure of 25 existing inefficient heating stations (boiler rooms) and individual furnaces in 94 residential buildings. 119 new heating substations will also be constructed in order to supply heat to the total surface area of 286,649 m2. NAMA will lead to climate change mitigation through reducing fuel consumption at outdated inefficient boilers for heating.

A.4 Sector

- ☒ Energy supply
- ☒ Residential and Commercial buildings
- ☐ Agriculture
- ☐ Waste management
- ☐ Transport and its Infrastructure
- ☐ Industry
- ☐ Forestry

A.5 Technology

- ☐ Bioenergy
- ☒ Energy Efficiency
- ☐ Hydropower
- ☐ Wind energy
- ☐ Carbon Capture and Storage
- ☐ Cleaner Fuels
- ☐ Geothermal energy
- ☐ Solar energy
- ☐ Ocean energy
- ☐ Other <Pls enter Other text here>

A.6 Type of action

- ☐ National/ Sectoral goal
- ☐ Strategy
- ☐ National/Sectoral policy orprogram
- ☐ Project: Investment in machinery
- ☒ Project: Investment in infrastructure
- ☐ Other: <Pls enter Other text here>

B National Implementing Entity

B.1 Name	City of Valjevo
B.2.1 Contact Person	Mr. Selimir Manojlovic
B.2.2 Address	14000 Valjevo, Karadjordjeva 64
B.2.3 Phone	+381 14 294 702
B.2.4 Email	selimir.manojlovic@gmail.com
B.3.1 Contact Person (alternative Contact Person 1)	Mr. Ivko Stojkovic (District Heating Company)

B.3.2 Address	Obilazni put bb
B.3.3 Phone	+381 14 3511 916
B.3.4 Email	vagrejanje@ptt.rs
B.4.1 Contact Person (alternative Contact Person 2)	Mrs. Katarina Munjic (District Heating Company)
B.4.2 Address	Obilazni put bb
B.4.3 Phone	+381 14 3511 916
B.4.4 Email	kmunjic.vatop@yahoo.com

C. Expected timeframe for the implementation of the mitigation action

C.1 Number of years for completion	5
C.2 Expected start year of implementation	2013

D.1 Used Currency	Euro

E Cost

E.1 Estimated full cost of implementation	6,000,000.00
E.2 Estimated incremental cost of implementation	0.00

F Support required for the implementation of the mitigation action

F.1.1 Amount of financial support 6,000,000.00

F.1.2 Type of required financial support

☐ Loan (sovereign)	☐ Loan (Private)
☐ Concessional loan	☐ Debt Swap
☒ Grant	☐ Equity
☐ Guarantee	☐ Carbon finance
☐ FDI	☐ Others: under consideration

F.1.3 Comments on Financial Support: Expected initial investment includes construciton of hot water network (EUR 3.6 million) and substations (EUR 2.4 million)

F.2.1 Amount of Technological Support 0.00

F.2.2 Comments on Technological Support <Pls enter Comments here>

F.3.1 Amount of capacity building support 0.00 ☐ $ (Dollars) ☐ man/hours

F.3.2Type of required capacity building support
☐ Institutional development
☐ Human capital
☐ Systemic (policies, legislative, regularatory,etc)

F.3.3 Comments on Capacity Building Support <Pls enter Comments here>

G Estimated emission reductions

G.1 Amount 0.00

G.2 Unit MtC02e/yr

G.3 Comments Total reduction: 252,270 tCO2e (30 years)

Methodology applied for estimation: General calculation method as used in IPCC Guidelines

H.1 Other indicators of implementation Technical documentation has been prepared for new heating substations and network

I.1 Other relevant information including benefits for local sustainable development
Reduction of local air pollution, Efficient use of energy sources and Creation of local employment opportunities

J Links to National Policies and other NAMAs

J.1 Relevant National Policies The First Energy efficiency plan of the Republic of Serbia for the period from 2010 to 2012