

# NS-26 - Improvement of Energy Efficiency in the Jordanian Water Sector (IEE)

## Jordan

### NAMA Seeking Support for Implementation

#### A Overview

A.1 Party	Jordan
A.2 Title of Mitigation Action	Improvement of Energy Efficiency in the Jordanian Water Sector (IEE)
A.3 Description of mitigation action	The Water Authority of Jordan is the largest electricity consumer in the country , using about 15% of Jordan's national energy production. The IEE programme is a sector wide programme to increase energy efficiency for water infrastrctre with the objective to reduce the specific energy consumption per m3 of produced water targeting pumping facilities, wellfields, booster stations, the water supply network and other water infrastructure in the country. The IEE Programme is directly aiming at energy savings and GHG emission reduction in the different Governorate of the Kingdom together with the Jordanian water utilities, public companies and Keystakholders.Pls enter Description of Mitigation Action here
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 type="checkbox"/> Bioenergy <input checked="" 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 type="checkbox"/> National/Sectoral policy or program <input type="checkbox"/> Project: Investment in machinery <input checked="" 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 checked="" type="checkbox"/> CO2 <input type="checkbox"/> N2O <input type="checkbox"/> PFCs <input type="checkbox"/> CH4 <input type="checkbox"/> HFCs <input type="checkbox"/> SF6

Other

### B National Implementing Entity

B.1.0 Name Ministry of Environment  
B.1.1 Contact Person 1 AHMAD ALQATARNEH, SECRETARY GENERAL  
B.1.2 Address JORDAN, AMMAN, UM UTHAINA, KING FAISAL STREET, BUILDING No.182  
B.1.3 Phone 00962- 6- 5521941  
B.1.4 Email AQATARNEH@YAHOO.COM  
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 10  
C.2 Expected start year of implementation 2014

### D Currency

D.1 Used Currency   
Conversion to USD: 1

### E Cost

E.1.1 Estimated full cost of implementation 100000000  
E.1.2 Comments on full cost of implementation  
E.2.1 Estimated incremental cost of implementation 50000000  
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 40000000  
F.1.2 Type of required Financial support  
 Grant  Guarantee  
 Loan (sovereign)  Equity  
 Loan (Private)  Carbon finance  
 Concessional loan  
 Other   
F.1.3 Comments on Financial support additional funds in the described size are required to up-scale existing activities in order to achieve targeted energy savings for all existing water infrastructure  
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 1100000

G.2 Unit

G.3 Additional information (e.g. if available, information on the methodological approach followed) Energy mix factor for Jordan 0.728kg/kWh of CO2 emissions

#### H Other indicators

H.1 Other indicators of implementation The ongoing Programme is implemented by Gesellschaft für Internationale Zusammenarbeit (GIZ) and KFW

#### I Other relevant information

I.1 Other relevant information including co-benefits for local sustainable development

#### J Relevant National Policies strategies, plans and programmes and/or other mitigation action

J.1 Relevant National Policies Water Strategy "Water for Life"; National Energy Strategy

J.2 Link to other NAMAs

#### K Attachments

K Attachments

**Title Description**

K.1 Attachment description

K.2 File

#### L Support received

L.1 Outside the Registry

L.2 Within the Registry

**Support provided SupportType Amount Comment Date**