



Ministry of Environment

Ref.No 7-2-2602  
Date 17-3-2020

**NDC Partnership Support Unit  
WRI  
Washington, DC, USA Office  
10 G St NE, #800  
Washington, DC 20002  
USA**

**Dear Mr. Vieira,**

The Government of Jordan is fast-tracking its Partnership Plan, known as the NDC Action Plan, to deliver measurable and transformational action in the energy, transport, agriculture, water, and health sectors. The NDC Action Plan seeks to scale renewables and energy efficiency measures, adapt the water, agricultural and health sectors to climate change impacts, and strengthen the resilience of disadvantaged groups and vulnerable ecosystems.

Based on inputs of the Sector Working Groups (SWGs) that were established by line ministries and institutions, prioritization methodology and criteria were developed to assess the importance of each project with special focus on the five key sectors highlighted in the NDC Action Plan (Transport, Energy, Agriculture, Health, and Water). The prioritization list for these focus areas was finalized and validated by the National Climate Change Committee. While the Government took the leadership in identifying and prioritizing these projects, there are significant resource constraints to further develop and implement these.

With this letter we would like to request responses from members of the Partnership indicating existing, new and potential support to these priority projects, so that NDC implementation in Jordan can be accelerated.



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The Government, with support from the in-country facilitator (Mr. Awwad Salameh, [Awwad.Salameh@ndcpartnership.org](mailto:Awwad.Salameh@ndcpartnership.org)), will follow up and coordinate with partners accordingly, including through the organization of a partners meeting. The Government also continues to follow up with partners that responded to the initial Request for Support Letter from Jordan in October 2018, including the European Commission, Germany, ILO, IsDB, Netherlands, and UNDP.

The Government of Jordan looks forward to working closely with the NDC Partnership on implementing the NDC priorities and NDC Action Plan, which will contribute to the enhancement of Jordan's NDC.

Please accept the assurances of our highest consideration.

Sincerely,

**Zeina Toukan**

  
Secretary General

**Ministry of Planning and  
International Cooperation**

**Zeina Toukan  
Secretary General**

**Eng. Ahmad Al.Qatarneh**

  
Secretary General

**Ministry of Environment**

**Nationally Determined Contributions NDCs Prioritization List**

	<b>Project/ Action</b>	<b>Remarks</b>
<b>Water Sector</b>	Wastewater networking (al- kora district),in addition to lifting stations implementation & wastewater treatment plant for (beit edees, kafr abeel, kafr ewan, kafr rakeb...)	prefeasibility study is available with estimated cost (37 MJD)
	Feasibility Study to reduce water losses and increase water savings in the northern part of King Abdullah Canal	New The purpose of this action is to undertake construction on the King Abdullah Canal to either rehabilitate the length of the canal to reduce leaking, or to convert a portion of the canal into a closed pipeline. Implementing this action will result in much needed efficiency improvements through loss reductions, contributing to overall costs savings and resource efficiency in the water sector. This will reduce the cost of water supply across agriculture, industries and municipal sectors and help improve Jordan's water security Estimated cost (0.5 MUS\$)
	Investment Water Project to improve the Water Supply at Balqaa Governorate	The initial estimated investment is about 40 MUS\$, the feasibility studies will show the estimated investment
	Expansion of Madaba Wastewater Treatment Plant	feasibility report has been prepared and is under review ; detailed engineering design and tender documents under preparation with estimated cost 25.5 MUS\$
	Enhance the Energy Efficiency in the well fields and Pumping Stations	Enhance the Energy Efficiency in the well field and Pumping Stations will reduce the cost of electricity in the water sector. The project will result in reducing the electricity consumption cost (electricity bill). The saving in the energy will be around 50 GWH per a year, in addition to a reduction in the CO2 emission (around 40 wells + 5-10 pumping stations). The EEP project is split into two phases: <ul style="list-style-type: none"> <li>Phase 1 - Consultancy Services for Energy Assessments in the Jordanian Water Supply System</li> <li>Phase 2 - Consulting Services for Implementation of Investment Measures for improving the Efficiency of Energetic</li> </ul>

  
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Water Sector	Project/ Action	Remarks
	Establish a rainwater harvesting project financing facility to support projects that augment rural and urban water supply	This will cover technical assistance and financial modeling (market research, technical needs analysis and business model development for the program), Investing in constructing rainwater harvesting reservoirs. Estimated cost (5) MUS\$
	Blue Economy Principles for Improved Touristic Competitiveness, Livelihoods of the Fishermen Community, Industrial Development and Monitoring Indicators of Pollution Control and Climate Change in the Jordanian Sector of the Gulf of Aqaba, Red Sea	Pre – Concept

	Project/ Action	Remarks
Agriculture Sector	Green Works in Agriculture and Forestry	proposal developed
	Reduce soil erosion through the management and harvesting of rainwater amongst small farmers in rural areas in Jordan	project document developed
	Exploitation of treated water in increasing vegetation area	Concept note
	Help small farmers and rural families adapt to climate change	Concept note
	Develop of range lands for climate change mitigation through social cooperation and water harvesting techniques	Concept note
	Disseminate climate change adaptation techniques through smart agriculture production	Concept note
	Assist the irrigated farms to face the climate change impact through implement adaptation techniques such as use water irrigation efficiency	Concept note
	Develop and technical support the Climate related Agricultural Risk management programs/systems (An example the Agricultural Risk management Fund	Concept note
	Implement climate change proofing for agricultural crops including set up an integrated Pest management (IPM) System	Concept note

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	Project/ Action	Remarks
Health Sector	Establishment surveillance system for climate sensitive diseases to develop health forecast system as a early warning alert system through 15 sentinel hospitals and 20 health centers.	Proposal developed with estimated cost 1.7MUS\$; Database For climate sensitive diseases
	Establishment of Leishmania Unit in the Division of Parasitic and Zoonotic Diseases	proposal developed with estimated cost 0.3 MUS\$; Establishment the Entomology Section Establishment Leishmania Strain Unit Training workshops for the Diagnostic Unit implemented Public awareness campaigns biannually reports

	Project/ Action	Remarks
Transport Sector	Fostering mobility in Amman through a Bus rapid transit (BRT) network	Infrastructure under implementation
	Access to public transport services increased in Irbid and Zarqa cities	Feasibility study implemented by EBRD and its in final stage
	Access to public transport services increased in Jarash	tendering the infrastructure and tracking system and finalize the feasibility study including financial analysis
	Battery-electric buses deployed for use in public transportation	Pre- concept
	battery-electric vehicles deployed for use in public/government fleets	Pre- concept
	Intelligent Transport System (ITS)	Established steering and technical committees to prepare TOR for tendering intelligent transport system implementation; pre-study is available
	Phase 1: Solar Powered Electric Bus Fleet Pilot in Karak, Ma'an and Tafailah Governorates	Pre- concept

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	Project/ Action	Remarks
Energy Sector	Encouraging and supporting local industries to manufacture renewable energy components;	
	Activating the recently established Renewable Energy and Energy Efficiency Fund (JREEEF).	
	Encouraging the use of solar energy for water heating:	through the provision of short-term support for the purchase of solar water heaters and conducting awareness campaign to promote solar water heaters in different sectors and awareness campaigns to promote energy efficiency through energy audit; to advise public people including professionals in how to save energy in all aspects.
	Requiring the implementation of green building codes:	by setting clear standards for construction, materials and land based on best practices;
	Requiring all new buildings in the public sector to comply with Leadership In Energy & Environmental Design (LEED).	
	Rationalizing energy consumption in all sectors and improving their efficiency and raising awareness about the long-term financial benefits of energy efficiency:	Enhancing the RE and EE data availability for Policy makers by: <ul style="list-style-type: none"> <li>– Conducting assessment studies of RES deployment potential in different sector such as industry, water and irrigation, tourism, public sector, etc. This effort shall explore other usages for RES, and shall not be limited to electricity generation (e.g. producing heat in industries).</li> <li>– Conducting data collection and analysis for the energy consumption in the different sectors such as industry, water and irrigation, tourism, public sector, etc. The data collection should be based on MEMR needs through the appropriate methods; like administrative sources, surveys, relevant measurements..etc</li> </ul>
	providing appropriate financial incentives for energy efficiency projects and Raising awareness about the incentives provided by the renewable energy and energy conservation law; and providing funding to allow assessing the potential of saving energy, for schools, hospitals and other facilities (hotels ,Commercial buildings)	by conducting energy audits , Implementing the energy efficiency measures, Raising awareness about the incentives provided by the renewable energy and energy conservation law , and making energy-related capital improvements in their facilities
	Attracting private sector investment	Reducing administrative obstacles in order to take

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<b>Energy Sector</b>	to the energy sector	advantage of the JREEEF to support investment in early stage
	Expanding the use of solar cooling in commercial and industrial facilities	Jordan has been experimented the application of solar cooling technologies for use in commercial buildings and industrial process to help in introducing sustainable energy systems and reducing GHG emissions from the cooling sector.
	Hydro pumped storage,	<p>This project covers the following:</p> <ol style="list-style-type: none"> <li>1. Performing a feasibility study based on the results and the recommendations of the pre-feasibility study done by the EU for a hydro pumped storage plant to address grid stability challenges.</li> <li>2. Developing the pumped storage plant in case that the project has been found as feasible</li> </ol>

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