

5 October 2018

H.E. Mr. Nayef Hmeidi Al-Fayez
Office of the Minister of Environment
Ministry of Environment
P.O Box 1408 AMMAN 11941
Hashemite Kingdom of Jordan

RE: The NDC Partnership's Response to Jordan's Request for Support

Dear Excellency,

The NDC Partnership is pleased to respond to the Government of Jordan's request for support, dated July 31st, 2018.

In the interest to respond thoroughly to your communication, this letter has been shared with the Partnership's Members to align existing or future work to the needs expressed by your Government. The members that responded positively are the Government of Germany, the International Labour Organization (ILO), the Embassy of the Kingdom of the Netherlands to Jordan, and the United Nations Development Programme (UNDP). We also have received general interest in supporting the implementation of the NDC from the European Commission (EC) and the Islamic Development Bank (IsDB). The responses from these partners include existing projects aligned with the Government's requests, potential new projects to be planned through upcoming country programming processes of the agencies, and potential areas of support to be discussed further. A more detailed account on the scope of the responses received is provided in Annex 1. At this stage, the responses are indicative; they are expected to become more specific after further consultations are held and NDC Action Plan is drafted.

To facilitate this work, the Kingdom of the Netherlands offers to cover an in-country facilitator for a two-year period to the Climate Change Directorate, embedded within the Ministry of Environment, who will help to carry forward Jordan's NDC Action Plan and ensure effective coordination between NDC focal points and relevant in-country stakeholders.

For further information or questions on the NDC Partnership's response to the Government of Jordan's request, please contact Omar Zemrag, Regional Specialist for MENA and Francophone Africa (OmarZemrag@ndcpartnership.org) and Tshering Sherpa, Senior Country Engagement Specialist (TsheringSherpa@ndcpartnership.org).

The Partnership, under the leadership of the Government, held its first NDC Action Plan workshop on 16 - 17 September. The workshop report is enclosed herewith. A technical assistant is working directly with Ms. Dina Kisbi, Director, Climate Change Directorate to further develop the Action Plan, based on the outcomes of the workshop. Through the process of developing Jordan's NDC Action Plan, the Partnership will also seek to mobilize additional new partners to support Jordan in achieving its climate agenda.

The NDC Partnership looks forward to continuing working with the Ministry of Environment and the Ministry of Planning and International Cooperation, to support the Government of Jordan in accelerate action toward its mitigation and adaptation targets.

Sincerely,



Dr. Pablo Vieira,
Global Director

NDC Partnership Support Unit

CC:

Government of Jordan:

- H.E. Dr. Mary Kamel Kawar, Minister of Planning and International Cooperation
- H.E. Ahmad Al Qatarneh, Secretary General, Ministry of Environment
- Dina Kisbi, Director, Climate Change Directorate, Ministry of Environment

Implementing and Development Partners:

- Dr. Johanna Speer, Head of Development Cooperation, Embassy of the Federal Republic of Germany to Jordan
- Moustapha Kamal Gueye, Coordinator Green Jobs Programme, International Labour Organization
- Tessa Terpstra, Regional Envoy for Water and Energy Security, Embassy of the Kingdom of the Netherlands to Jordan
- Rana Saleh, Environment Programme Associate, United Nations Development Programme
- Jorge Pinto Antunes, International Negotiations DG CLIMA - European Commission
- Khalil Hassan, Country Programs Manager, Country Relations and Services, MENA and Europe, Islamic Development Bank

Annex 1: Detailed Responses to Jordan's Request for Support

Government of Germany

The German Government through implementing organisations Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ), German development bank KfW, as well as through consulting firm Ecofys Germany, and non-profit organization Germanwatch e.V., supports Jordan through several climate related programs in the implementation of Jordan's NDC Action Plan:

- The regional IKI project “Accelerating 0-emission sector ambitions in the MENA region”, implemented by Ecofys Germany GmbH, together with local partners (National Energy Research Centre (NERC)/ Royal Scientific Society in Jordan) supports energy efficiency and the use of renewable energy in the building sector with a focus on heating and cooling **(TA Energy 1, 2, 3, 5)**.
- The global IKI project “Water and Wastewater Companies for Climate Mitigation”, implemented by GIZ, provides support to reduce GHG emissions from water utilities and increasing Energy Efficiency and Renewable Energy applications. The project has been piloting the whole water cycle assessment approach in Madaba Water Utility / Miyahuna and might be able to arrange in the future building the capacity in applying the assessment tool “Energy Performance and Carbon Emissions Assessment and Monitoring” to other utilities e.g. Ma’aan Governorate wells and Korah District among others **(TA Energy 4, 5)**.
- The global IKI project “Following the Adaptation Fund into the Post-Paris Era”, implemented by Germanwatch e.V. is building capacity on climate change and NDCs through the establishment of an Adaptation Fund-NGO-Network and South-South learning on adaptation finance **(TA NGO 2)**.
- The German Government supports within the framework of a KfW energy efficiency programme in cooperation with MOPWH, the installation of rooftop solar PV systems and replacement of lamps by LEDs in public buildings. The proposed projects of the Government of Jordan would complement the ongoing activities of KfW and lessons learned could be considered **(Projects Energy 1, 2, 3)**.
- GIZ can support through its ongoing projects the energy audit, replacement and training on energy efficient management of pumping stations **(Project Energy 5, 6)**.
- KfW is supporting the installation of PV plants for Syrian refugee camps and host communities in northern Jordan **(Project Energy 6, 7)** and is exploring potential support for renewable energy measures in the water sector.
- The BMZ-funded bilateral GIZ project on solid waste management is exploring to provide technical assistance for the management and operation of transfer stations **(Project Waste 1, 2)**. The German Government offers to provide an integrated expert under the GIZ’s project “Support of Jordan communities in dealing with the Syrian Refugees crises” (ADHOC II) to support the Ministry to implement the National Strategy. Lessons learned from ADHOC project could be transferred including developing SWM plants and standard operations as well as technical assistance for route planning **(Project Waste 6)**.
- GIZ identified areas of support for professional management and operation for the composting plant, transferring lessons learned from pilot composting plants in Irbid and Karak, including on-the-job training and developing national quality standards for compost **(Project Waste 8)**.
- Several KfW implemented projects contribute to the “Remaining projects listed in Capital Investment Plan” **(Project / TA Water 1)**.
- KfW supports the rehabilitation of the wastewater treatment plant in As-Salt in Balqa (but not in the north-east of Balqa) **(Project Water 2)**.
- KfW supports the rehabilitation of sewage networks and wastewater treatment plant in Karak and potential support in the fields of water networks in Karak under future programmes could be explored **(Project Water 3, 5)**.

- KfW supports two bio-digesters in Central Irbid and Wadi Arab and is exploring to provide further input for the professional management of the plants, transferring lessons learned from the planned pilot biogas plant at Mu'ta in close cooperation with GIZ. This will also include support for the design and on-the job training for operation **(Project Water 4)**.

Additionally, related actions of the German Government to support the implementation of Jordan's NDC include:

- Introducing energy management to WAJ and water companies, contributing to energy saving on the water sector.
- Activities and investments supporting energy efficiency (e.g. pumping stations and wells) and increased use of renewable energies in the water sector.
- Supporting the MWI and WAJ in developing new master plan on sustainable water management / project development in Jordan.
- GIZ implemented bilateral IKI-funded project *"Establishment of an effective NDC governance for the NDC revision and implementation in Jordan"*
- GIZ implemented regional IKI-funded project *"Political dialogue and knowledge management on low-emission strategies in the MENA region (DIAPOL-CE)", which supports the piloting of energy efficiency networks in industry, supports Green Financing trainings, and plans to work on a market-based incentive mechanism for energy savings of large consumers.* GIZ implemented IKI-funded global "Nitric Acid Climate Action Group Initiative" offers the possibility of financial support in the form of a grant for the installation of N2O abatement technology at the nitric acid production facility of KEMAPCO.
- Upcoming European Investment Bank implemented IKI-funded project *"Jordan Energy Efficiency Initiative - Investment Component"*
- Upcoming DIW econ GmbH implemented IKI-funded project *"Jordan Energy Efficiency Initiative - Policy Dialogue"*
- Upcoming UNEP implemented IKI-funded project *"NDC Action"*
- World Bank Group implemented *"Partnership for Market Readiness"*, fund contribution made by IKI

International Labour Organization

The International Labour Organization (ILO) is exploring specific areas where the ILO has technical expertise, tools, and intervention models that could be of contribution. Potential support could be provided in the following areas:

- 500 water cisterns built with a labour intensive approach to improve water collection and increase agriculture **(Project Agriculture 5; Project Water 1)**;
- Technical support to the adoption of a decree for workers in agriculture **(Project Agriculture 1 to 7)**;
- Technical training modules for green construction **(Project Energy 1)**.

Additionally to Jordan's stated requests, ILO will explore the possibility of support to measure the potential impact on jobs of the projects Jordan is considering on climate change mitigation and adaptation. The objective would be to identify complementary labour policies to enhance job creation co-benefits, and promote the involvement of ILO constituents, including social partners, in the design and implementation of such projects, given their likely impact on decent work. However, this last activity is subject to resource mobilization and availability of new funding.

Embassy of the Kingdom of the Netherlands to Jordan

The Kingdom of the Netherlands offers to cover an in-country facilitator to the Climate Change Directorate, embedded within the Ministry of Environment, who will help to carry forward Jordan's NDC Action Plan and ensure effective coordination between NDC focal points and relevant in-country stakeholders.

The Embassy of the Netherlands in Jordan is exploring support within the water and energy efficient agriculture related requests, especially in the fields of hydroponics, crop selection and efficient water use, as well as education and training in these areas. After further discussion with the Ministry of Agriculture and the Ministry of Water and Irrigation, the Dutch Embassy will communicate identified available capacity and resources for Jordan's request for support to the Government of Jordan and the NDC Partnership Support Unit.

United Nations Development Programme

The United Nations Development Programme (UNDP) has several ongoing and pipeline programmes that contribute to Jordan's NDC.

UNDP in partnership with Greater Amman Municipality will start soon the implementation of a new project titled "*A systematic approach to sustainable urbanization and resource efficiency in Greater Amman Municipality*" which will promote low-carbon buildings in Greater Amman Municipality and eventually in other municipalities and cities in Jordan through the application of building energy codes and in particular the thermal insulation code for new buildings and retrofit guidelines for existing buildings. Moreover, the project will enable GHG reduction through implementation of building envelope thermal installation and introducing water efficient fixtures in 6 demonstrations projects as well as in the replacement of traditional street lighting with LED modules (**Project Energy 4; TA Energy 1, 3**).

UNDP has initiated a project in 2013 for the solid waste management sector offering integrated and durable solutions for improvement of social service delivery to affected populations, remediation of the environmental effects relevant the SWM underequipped sector, building capacity for community and institutions, as well as linking SWM to income generating activities and women empowerment at the community and governmental levels. UNDP interventions include the construction of a sanitary landfill cell at Al Ekaider landfill and equip the landfill with sufficient heavy equipment and machinery to ensure efficient management of site operations (**Project Waste 6**); introduce eco-friendly solutions in Al Ekaider landfill site, including green belt and green area of 5000 trees, 600m² solar PV panel stations of 60KW solar power stations and protective equipment for 130 persons (**Project Energy 5**); construction of 10,000m³ composting plant with a state-of-art windrow turner machine in Al-Husseinat landfill; construction of solid waste transfer stations and a sorting center at northern Shouneh and Irbid (**Project Waste 8**).

UNDP is currently implementing a project that aims to strengthen the national drought governance system in Jordan and promote a more systematic approach to drought response planning and management including the establishment of an early warning system and designing and implementing awareness programs on drought hazards and impacts (**TA Agriculture 4; Project Agriculture 3**).

UNDP has interest to work with Jordan Environmental Fund (JEF) on identifying strategic partnerships and knowledge transfer opportunities and conducting awareness sessions to promote resource efficiency practices (**TA JEF 3**), as well as to provide assistance to NGOs through institutionalizing the involvement of the private sector and other NGOs actors in the NDCs implementation plan (**TA NGO 2**).

Additionally, related actions of UNDP to Jordan's request for support include:

- Capacity building activities in areas of gaps specially GHG mitigation scenario development.
- Updating of national climate change policy.
- Development of two city NAMAs including investment plan for existing and new buildings and street lighting as well as identification and quantification of the effectiveness of different policy and financial de-risking instruments for EE buildings using UNDP's de-risking methodology.
- UNDP is exploring the possibility of introducing small scale new Waste to Energy (W2E) technology in Al-Alkaider landfill to meet the increasing demand on energy as a result of the population growth and the influx of refugees which was also associated with a significant increase in wastes.