

## 1. Results and partnerships

### 3.1 Project Results and Resources Framework

<p>Intended outcome as stated in the country Programme results and resources framework:          Palestine's infrastructure, and natural and cultural resources are more sustainably used and managed</p> <p><b>Project outcome:</b>          PWA and service providers are more effective in management of natural resources, transboundary wastewater and provision of basic services</p> <p><b>outcome indicators:</b></p> <ul style="list-style-type: none"> <li>• Mechanisms in place for transboundary wastewater management system (qualitative)</li> <li>• No of coliform in water resources and water supplies (quantitative-(to be measured during the mobilization phase))</li> <li>• Capacities of PWA and service providers in integrated wastewater management (qualitative)</li> </ul> <p>• <b>Baseline:</b></p> <ul style="list-style-type: none"> <li>• No mechanism in place for transboundary waste water management</li> <li>• No of coliform present in water resources and water supply systems</li> <li>• limited capacities for integrated wastewater management systems within the targeted service providers)</li> </ul> <p><b>Target</b>  <b>By 2020</b></p> <ul style="list-style-type: none"> <li>• a draft mechanism for transboundary wastewater management is in place</li> <li>• No of fecal coliform in water resources and water supplies is decreased substantially (to be measured during the mobilization phase)</li> <li>• the five targeted communities and service providers have wastewater management systems in place</li> </ul>				
<p><b>Applicable MYFF service line:</b> increased access to water and wastewater services</p>				
<p><b>Partnership Strategy:</b> the project will be executed by UNDP/PAPP in coordination with PWA, MoLG and Municipality of Baqa and Nazlat</p>				
<p><b>Project Title and ID (ATLAS Award ID): Trans boundary wastewater management Award 50897</b></p>				
Intended Outputs	Output Targets for (years)	Indicative Activities	Responsible Party	Inputs
<p><b>Output 1:</b>          Residents of Baqa-Alsharqia and 4 Nazlat communities have increased access to environmentally sound municipal wastewater services</p> <p><b>Indicator:</b>          Number of persons (disaggregated in sex) have access to wastewater services</p> <p><b>Baseline:</b></p>	<p><b>2018:</b></p> <ul style="list-style-type: none"> <li>• 16 km of wastewater collection constructed and operational</li> <li>• 6,000 persons (3,048 male, 2,952 female) living in the project area have access to wastewater services</li> </ul> <p><b>2019:</b></p> <ul style="list-style-type: none"> <li>• 8,500 persons (4,318 male, 4,182 female) living in the</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare invitation to bid for local classified contractor in the category A and B</li> <li>• Evaluate contractors offers and award construction contracts</li> <li>• Supervise implementation of installing 28km wastewater networks, pump stations and other related works</li> <li>• Undertake commissioning and handover to the Municipality</li> </ul>	<p>UNDP/PAPP</p>	<ul style="list-style-type: none"> <li>• Qualified local contractors</li> <li>• Site engineer</li> <li>• Quality assurance Engineer</li> </ul>

<p>2,500 persons (1,270 male and 1,230 female) have access to wastewater services (2014)</p> <p>17 km installed and functional in Baqa (2012)</p>	<p>project area have access to wastewater services;</p> <ul style="list-style-type: none"> <li>12 Km of wastewater constructed and operational</li> </ul>			
<p><b>Output 2:</b> The Water tariff and revenue collection system for Baqa and Nazlat Municipalities are reviewed, modified and are put in practice</p> <p><b>Indicators:</b></p> <ul style="list-style-type: none"> <li>Number of water tariffs reviewed, modified and is in place</li> <li>The extent to which the adopted tariff fully covers the cost of operation and maintenance</li> </ul> <p>Baseline:</p> <ul style="list-style-type: none"> <li>2017 (0)</li> <li>2017 (insufficient) The existing tariff is a flat-water tariff and does not include provisions to recover wastewater services</li> </ul>	<p><b>2018:</b></p> <ul style="list-style-type: none"> <li>Site specific agreement for Baqa Al-Sharqiya is cleared and signed</li> <li>3 water tariff structures reviewed and modified</li> <li>Partially: water tariff revised and endorsed to include the full cost of wastewater collection, operation and maintenance and treatment services for long term and 50% for the first three years</li> </ul> <p><b>2019:</b></p> <ul style="list-style-type: none"> <li>Largely: new water tariff for the selected communities enforced/applied</li> </ul>	<ul style="list-style-type: none"> <li>Follow up the discussion with PQA and MoLG regarding the clearance of the site specific agreement of Baqa and the signatory authority</li> <li>Review existing water and wastewater revenue collection system</li> <li>Review exiting water tariff</li> <li>Using participatory approach, propose new tariff to ensure recovery of operational and maintenance of the collection system as well as the cost of treatment in Israel (first three years 50% of the cost and 100% for the long term)</li> <li>Get the tariff system approved by PWA and MoLG</li> <li>Support the enforcement and implementation of the new tariff system</li> </ul>	<p>UNDP/PAPP</p>	<ul style="list-style-type: none"> <li>Tariff expert</li> <li>Legal expert</li> <li>Wastewater operation and maintenance expert</li> <li>Community representatives and working groups</li> </ul>
<p><b>Output 3:</b> Training on operation and maintenance, community awareness on water and wastewater management are conducted and municipalities are equipped with necessary tools</p> <p><b>Indicators:</b></p> <ul style="list-style-type: none"> <li>Number of participants attended the planned awareness workshops</li> <li>Number of municipality technicians trained</li> <li>Number of manuals produced</li> </ul>	<p><b>2018:</b></p> <ul style="list-style-type: none"> <li>10 community awareness workshops are conducted and attended by 400 participants (men, women and school students)</li> </ul> <p><b>2019</b></p> <ul style="list-style-type: none"> <li>3 training sessions on maintenance and operation are carried out for the technicians of the selected municipalities</li> <li>1 operational and maintenance manual produced</li> </ul>	<ul style="list-style-type: none"> <li>Organize and conduct 10 community awareness workshops to build consensus on the proposed tariff</li> <li>Organize three training sessions on finance, operation and maintenance for the municipality staff in water and wastewater section</li> <li>Prepare operational and maintenance manual</li> <li>Provide maintenance tools and vehicle</li> </ul>	<p>UNDP/PAPP</p>	<ul style="list-style-type: none"> <li>Qualified trainers</li> <li>Public awareness experts</li> <li>Community representatives</li> </ul>

<ul style="list-style-type: none"> <li>• Number of maintenance equipment provided</li> </ul> <p><b>Baseline:</b></p> <ul style="list-style-type: none"> <li>• No of awareness activities are conducted in the targeted municipalities since 2014</li> <li>• Level of community awareness regarding paying for the services is not adequate.</li> <li>• Lack of trained municipality staff on maintenance and operation</li> <li>• No manuals for operation or maintenance are available</li> </ul>	<ul style="list-style-type: none"> <li>• Tools for maintenance are provided</li> </ul>			
<ul style="list-style-type: none"> <li>• <b>Output 4</b></li> </ul> <p>Capacity of PWA in managing the transboundary wastewater in general and in possible five locations in the West Bank in particular is enhanced</p>	<p><b>2018</b> Assessment study and position paper on the transboundary wastewater is prepared</p> <p><b>2019</b> Improved mechanisms and follow up steps with the Israeli side are considered</p> <p>Possible 5 measuring instruments (in most critical sites) are installed and transboundary wastewater quantities is measured</p>	<ul style="list-style-type: none"> <li>• Prepare the TOR for the Study and position paper</li> <li>• Procure consultancy services to prepare the study</li> <li>• Conduct a survey that includes wastewater quantities, quality and calculations of related treatment cost</li> <li>• Together with MoLG, MoF and PWA, prepare a position paper to be used as a bases for discussions with the Israeli side. The paper should include the calculations of the cost of treatment based on treatment prices in Israel and a comparison of the cost with the amount of money deducted by Israel from the PA tax</li> <li>• Support PWA and MoLG in negotiating improved mechanisms and follow up with Israeli side regarding WW treatment costs and payments.</li> <li>•</li> </ul> <p><b>Provisional activities</b></p> <ul style="list-style-type: none"> <li>• Identify the critical locations of transboundary wastewater and the needed number of measuring flowmeters (up to five)</li> </ul>	<p>UNDP/PAP</p>	<ul style="list-style-type: none"> <li>• Specialized consultant</li> <li>• Qualified contractor</li> <li>• Economist</li> <li>• Institutional expert</li> </ul>

		<ul style="list-style-type: none"><li>• Identify the necessary site preparation requirements including possible needed infrastructure</li><li>• Procure and Install the flow meters (provisional activity)</li><li>• Liaise with MoLG, PWA, MoF and the respected municipalities and start the measurement of the wastewater flow</li></ul>		
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