The World Bank
Implementation Status & Results Report

LB- GREATER BEIRUT WATER SUPPLY (P103063)

MIDDLE EAST AND NORTH AFRICA | Lebanon | Water Global Practice | IBRD/IDA | Specific Investment Loan | FY 2011 | Seq No: 10 | ARCHIVED on 21-Sep-2015 | ISR18849 |

Implementing Agencies: Council for Development & Reconstruction

Key Dates

Key Project Dates

- Board Approval date: 16-Dec-2010
- Effectiveness Date: 04-Dec-2012
- Planned Mid Term Review Date: 10-Nov-2014
- Actual Mid-Term Review Date: 10-Feb-2015
- Original Closing Date: 30-Jun-2016
- Revised Closing Date: 30-Jun-2019

Project Development Objectives

Project Development Objective (from Project Appraisal Document)
The project development objective is to increase the provision of potable water to the residents in the project area within the Greater Beirut region, including those in the low-income neighborhoods of Southern Beirut, and to strengthen the capacity of the BeirutMount Lebanon Water Establishment in utility operations.

Has the Project Development Objective been changed since Board Approval of the Project Objective?
No

Components

- Component 1: Bulk Water Supply Infrastructure: Tunnels, Water Treatment Plant, Transmission & Bulk Storage:(Cost $257.50 M)
- Component 2: Supply Reservoirs, Distribution Network and Metering:(Cost $61.00 M)
- Component 3: Project Management, Utility Strengthening and National Studies:(Cost $15.00 M)

Overall Ratings

<table>
<thead>
<tr>
<th>Name</th>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Progress towards achievement of PDO</td>
<td>Moderately Unsatisfactory</td>
<td>Moderately Unsatisfactory</td>
</tr>
<tr>
<td>Overall Implementation Progress (IP)</td>
<td>Moderately Unsatisfactory</td>
<td>Moderately Unsatisfactory</td>
</tr>
<tr>
<td>Overall Risk Rating</td>
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<td>High</td>
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</table>
Implementation Status and Key Decisions

Project implementation remains behind schedule, despite a concerted effort by the various implementing agencies. The contract of the tunnel has been signed in June 2015 and it is critical that construction starts in the next quarter. In addition, the prequalification of the water treatment plant concluded in August 2015. With regard to the construction of the various distribution network contracts (already awarded), the PMU requested a modification in the design and the Bank requested further information on this request.

A summary of progress on each component is provided below:

Component 1: Component 1 comprises the tunnel works and supervision contracts, as well as the works and supervision contracts associated with the water treatment plant. The tunnel construction supervision contract and the tunnel works contract have been signed. Tunnel works requires 4 years for full construction implementation and the project closing date thus has been extended by 3 years to June 2019. Prequalification of the water treatment plant has been completed.

Component 2: Component 2 comprises the 4 major distribution network packages and the purchase/installation of meters. The Beirut Mount Lebanon Water Establishment (BMLWE) has awarded all the network contracts; however, it requested the Bank to approve a change in the design for the tertiary pipes. The Bank team has requested further information to be able to provide an informed opinion on this change.

Component 3: The mission agreed to a detailed plan for institutional strengthening of the BMLWE, including a pilot non-revenue-water project benefiting 80,000 people and a detailed assessment of telemetry within BMLWE’s infrastructure. The mission also agreed to the need to restructure the PMU to maximize efficiencies and to explore the next steps in a national groundwater monitoring program, as part of the national studies component.

Risks

Systematic Operations Risk-rating Tool
### Risk Category

<table>
<thead>
<tr>
<th>Risk Category</th>
<th>Rating at Approval</th>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
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<tr>
<td>Political and Governance</td>
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<td>--</td>
<td>● High</td>
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<tr>
<td>Macroeconomic</td>
<td>--</td>
<td>--</td>
<td>● High</td>
</tr>
<tr>
<td>Sector Strategies and Policies</td>
<td>--</td>
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<td>● Substantial</td>
</tr>
<tr>
<td>Technical Design of Project or Program</td>
<td>--</td>
<td>--</td>
<td>● Substantial</td>
</tr>
<tr>
<td>Institutional Capacity for Implementation and Sustainability</td>
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<td>● Substantial</td>
</tr>
<tr>
<td>Fiduciary</td>
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<td>--</td>
<td>● Moderate</td>
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<tr>
<td>Environment and Social</td>
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<td>Stakeholders</td>
<td>--</td>
<td>--</td>
<td>● Moderate</td>
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<tr>
<td>Other</td>
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<td>--</td>
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<tr>
<td>Overall</td>
<td>--</td>
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<td>● High</td>
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### Results

#### Project Development Objective Indicators

**Volume (m³/day) of additional potable water distributed in the project area (cumulative) (Number, Custom)**

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<tr>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
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<tr>
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<tr>
<td>Date</td>
<td>--</td>
<td>13-Apr-2015</td>
<td>30-Jun-2019</td>
</tr>
</tbody>
</table>

**New Piped Household connections for poor households in Southern Beirut that are resulting from the Project’s intervention (cumulative) (Number, Custom)**

<table>
<thead>
<tr>
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<th>End Target</th>
</tr>
</thead>
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<tr>
<td>Date</td>
<td>--</td>
<td>13-Apr-2015</td>
<td>30-Jun-2019</td>
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</table>

**Percentage of customers in the project area receiving 24/7 water supply (Percentage, Custom)**

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<tr>
<th>Baseline</th>
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### Piped household water connections that are benefiting from rehabilitation works undertaken by the project (Number, Core)

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<th>End Target</th>
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<td>Value</td>
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<td>0.00</td>
<td>200000.00</td>
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<tr>
<td>Date</td>
<td>--</td>
<td>13-Apr-2015</td>
<td>18-Sep-2015</td>
<td>30-Jun-2019</td>
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</tbody>
</table>

### Overall Comments

#### Intermediate Results Indicators

#### Tunnel (kms) (Number, Custom)

<table>
<thead>
<tr>
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<th>Baseline</th>
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<tr>
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<td>--</td>
<td>13-Apr-2015</td>
<td>18-Sep-2015</td>
<td>30-Jun-2019</td>
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#### Water treatment plant (Number, Custom)

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<td>--</td>
<td>13-Apr-2015</td>
<td>18-Sep-2015</td>
<td>30-Jun-2019</td>
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### Transmission lines (Number, Custom)

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<td>Date</td>
<td>--</td>
<td>13-Apr-2015</td>
<td>18-Sep-2015</td>
<td>30-Jun-2019</td>
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### Bulk reservoirs (Number, Custom)

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<td>13-Apr-2015</td>
<td>18-Sep-2015</td>
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### Supply Reservoirs (Number, Custom)

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<td>13-Apr-2015</td>
<td>18-Sep-2015</td>
<td>30-Jun-2019</td>
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### Pipelines (kms) (Number, Custom)

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<td>13-Apr-2015</td>
<td>18-Sep-2015</td>
<td>30-Jun-2019</td>
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### Household meters (Number, Custom)

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<td>16-Mar-2015</td>
<td>18-Sep-2015</td>
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### House connections in poor areas (Number, Custom)

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<td>18-Sep-2015</td>
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### PMU Staff hired (Number, Custom)

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<td>13-Apr-2015</td>
<td>18-Sep-2015</td>
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### Telemetry/Scada System Report (Number, Custom)

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<td><strong>Date</strong></td>
<td>--</td>
<td>13-Apr-2015</td>
<td>18-Sep-2015</td>
<td>30-Jun-2019</td>
</tr>
<tr>
<td>Project Name</td>
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<tr>
<td>--------------------------------------------------</td>
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<td>31-Dec-2015</td>
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<td>31-Dec-2015</td>
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<td>TA for Design and operation of distribution system for 24/7 supply (Number, Custom)</td>
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<td>16-Mar-2015</td>
<td>18-Sep-2015</td>
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Studies completed satisfactorily (Number, Custom)

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Overall Comments

Data on Financial Performance

Disbursements (by loan)

<table>
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<tr>
<th>Project</th>
<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Currency</th>
<th>Original</th>
<th>Revised</th>
<th>Cancelled</th>
<th>Disbursed</th>
<th>Undisbursed</th>
<th>Disbursed</th>
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<tbody>
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<td>196.50</td>
<td>2%</td>
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Key Dates (by loan)

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<tr>
<th>Project</th>
<th>Loan/Credit/TF</th>
<th>Status</th>
<th>Approval Date</th>
<th>Signing Date</th>
<th>Effectiveness Date</th>
<th>Orig. Closing Date</th>
<th>Rev. Closing Date</th>
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<td>04-Dec-2012</td>
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Cumulative Disbursements
Restructuring History

Level 2 Approved on 15-Jun-2015

Related Project(s)

There are no related projects.