Sustainable Energy Development Project (P160910)


Implementing Agencies: Republic of the Marshall Islands, Division of International Development Assistance (DIDA), Marshalls Energy Company (MEC), Kwajalein Atoll Joint Utilities Resources Inc (KAJUR), Kwajalein Atoll Development Authority - KADA, Energy Planning Division

Key Dates

Key Project Dates

- Bank Approval Date: 15-Dec-2017
- Planned Mid Term Review Date: 15-Nov-2019
- Original Closing Date: 30-Dec-2022

- Effectiveness Date: --
- Actual Mid-Term Review Date: --
- Revised Closing Date: 30-Dec-2022

Project Development Objectives

Project Development Objective (from Project Appraisal Document)
The objective of the project is to increase the share of renewable energy generation in the Recipient’s territory, and enhance the reliability of electricity supply and improve energy efficiency in the Project Areas.

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

Components

- Renewable Energy Investments: (Cost $28.63 M)
- Promotion of Energy Efficiency and Loss Reduction Program: (Cost $2.45 M)
- Technical Assistance, Capacity Building, and Project Management: (Cost $2.92 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>--</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Overall Implementation Progress (IP)</td>
<td>--</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>Overall Risk Rating</td>
<td>--</td>
<td>Substantial</td>
</tr>
</tbody>
</table>
Implementation Status and Key Decisions

The project is in satisfactory progress for implementation on the ground. The Project Implementation Unit (PIU) is being staffed and other key experts have been recruited or will be recruited shortly. The Memorandum of Understanding (MoU) among the involved entities, which is the sole condition for effectiveness, was signed in March 2018. The Financing Agreement was signed in April 2018. The government has issued the letter to nominate April 30 as the project effectiveness date.

Risks

Systematic Operations Risk-rating Tool

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

Results

Project Development Objective Indicators

> Share of Renewable Energy in the Recipient's Territory (Percentage, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>2.00</td>
<td>--</td>
<td>2.00</td>
<td>9.00</td>
</tr>
<tr>
<td>Date</td>
<td>20-Dec-2017</td>
<td>--</td>
<td>16-Mar-2018</td>
<td>30-Dec-2022</td>
</tr>
</tbody>
</table>

> MEC & KAJUR Average Generation SAIDI (Minutes, Custom)
### Baseline, Actual (Previous), Actual (Current), End Target

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>3,300.00</td>
<td>--</td>
<td>3,300.00</td>
<td>2,400.00</td>
</tr>
<tr>
<td>Date</td>
<td>20-Dec-2017</td>
<td>--</td>
<td>16-Mar-2018</td>
<td>30-Dec-2022</td>
</tr>
</tbody>
</table>

#### Distribution Loss Reduction in the Project Area (Percentage, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>--</td>
<td>0.00</td>
<td>2.00</td>
</tr>
<tr>
<td>Date</td>
<td>20-Dec-2017</td>
<td>--</td>
<td>16-Mar-2018</td>
<td>30-Dec-2022</td>
</tr>
</tbody>
</table>

### Overall Comments

**Intermediate Results Indicators**

#### Generation capacity of energy constructed or rehabilitated (Megawatt, Corporate)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>--</td>
<td>0.00</td>
<td>5.00</td>
</tr>
<tr>
<td>Date</td>
<td>20-Dec-2017</td>
<td>--</td>
<td>16-Mar-2018</td>
<td>30-Dec-2022</td>
</tr>
</tbody>
</table>

#### Thermal (conventional) power generation capacity constructed under the project (Megawatt, Corporate Breakdown)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>--</td>
<td>0.00</td>
<td>2.00</td>
</tr>
<tr>
<td>Date</td>
<td>20-Dec-2017</td>
<td>--</td>
<td>16-Mar-2018</td>
<td>30-Dec-2022</td>
</tr>
</tbody>
</table>
### Renewable energy generation capacity (other than hydropower) constructed under the project (Megawatt, Corporate Breakdown)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
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<td>--</td>
<td>0.00</td>
<td>3.00</td>
</tr>
<tr>
<td>Date</td>
<td>20-Dec-2017</td>
<td>--</td>
<td>16-Mar-2018</td>
<td>30-Dec-2022</td>
</tr>
</tbody>
</table>

### Projected energy or fuel savings (Mega Joules (MJ), Corporate)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>--</td>
<td>0.00</td>
<td>108,000,000.00</td>
</tr>
<tr>
<td>Date</td>
<td>20-Dec-2017</td>
<td>--</td>
<td>16-Mar-2018</td>
<td>30-Dec-2022</td>
</tr>
</tbody>
</table>

### Projected lifetime fuel savings (Mega Joules (MJ), Corporate Breakdown)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
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<th>Actual (Current)</th>
<th>End Target</th>
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<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>--</td>
<td>0.00</td>
<td>108,000,000.00</td>
</tr>
<tr>
<td>Date</td>
<td>20-Dec-2017</td>
<td>--</td>
<td>16-Mar-2018</td>
<td>30-Dec-2022</td>
</tr>
</tbody>
</table>

### Study on loss reduction available for KAJUR and MEC (Yes/No, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>N</td>
<td>--</td>
<td>N</td>
<td>Y</td>
</tr>
<tr>
<td>Date</td>
<td>20-Dec-2017</td>
<td>--</td>
<td>16-Mar-2018</td>
<td>30-Dec-2022</td>
</tr>
</tbody>
</table>
## Energy Efficiency campaign targeting female consumers (Number, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>0.00</td>
<td>--</td>
<td>0.00</td>
<td>5.00</td>
</tr>
</tbody>
</table>

## Annual report on grievances received under the grievance redress mechanism, including how feedback from the grievance redress mechanism has been taken into account under the project (Yes/No, Custom)

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Actual (Previous)</th>
<th>Actual (Current)</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value</td>
<td>N</td>
<td>--</td>
<td>N</td>
<td>Y</td>
</tr>
</tbody>
</table>

### Overall Comments

### Data on Financial Performance

#### Disbursements (by loan)

<table>
<thead>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>P160910</td>
<td>IDA-D2610</td>
<td>Not Effective</td>
<td>USD</td>
<td>34.00</td>
<td>34.00</td>
<td>0.00</td>
<td>35.12</td>
<td>0%</td>
<td></td>
</tr>
</tbody>
</table>

#### Key Dates (by loan)

<table>
<thead>
<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>
</tr>
</thead>
</table>

#### Cumulative Disbursements
Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.