Implementation Status & Results
Ethiopia
Accelerated Electricity Access (Rural) Expansion (P097271)

Operation Name: Accelerated Electricity Access (Rural) Expansion (P097271)  Project Stage: Implementation  Seq.No: 10  Status: ARCHIVED  Archive Date:

Country: Ethiopia  Approval FY: 2006
Product Line: IBRD/IDA  Region: AFRICA  Lending Instrument: Specific Investment Loan
Implementing Agency(ies): Ethiopia Electricity Power Corporation, Ministry of Mines and Energy

Key Dates

<table>
<thead>
<tr>
<th>Board Approval Date</th>
<th>Original Closing Date</th>
<th>Planned Mid Term Review Date</th>
<th>Last Archived ISR Date</th>
</tr>
</thead>
</table>

Effectiveness Date 19-Jan-2007  Revised Closing Date 31-Dec-2012  Actual Mid Term Review Date 15-Jun-2010

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project's development objective is to establish a sustainable program for expanding access to electricity in rural communities, thus supporting broad-based economic development and helping alleviate poverty. The objective of the UEAP is to significantly expand access to electricity in rural towns and villages.

Has the Project Development Objective been changed since Board Approval of the Project?

☐ Yes    ☐ No

Component(s)

<table>
<thead>
<tr>
<th>Component Name</th>
<th>Component Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access Expansion: Rural Town Electrification</td>
<td>148.23</td>
</tr>
<tr>
<td>Capacity Building</td>
<td>4.00</td>
</tr>
<tr>
<td>Energy Efficiency and Demand Side Management (EE &amp; DSM)</td>
<td>10.00</td>
</tr>
</tbody>
</table>

Overall Ratings

<table>
<thead>
<tr>
<th></th>
<th>Previous Rating</th>
<th>Current Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Progress towards achievement of PDO</td>
<td>Moderately Satisfactory</td>
<td>Moderately Satisfactory</td>
</tr>
<tr>
<td>Overall Implementation Progress (IP)</td>
<td>Moderately Satisfactory</td>
<td>Moderately Satisfactory</td>
</tr>
<tr>
<td>Overall Risk Rating</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Implementation Status Overview

Electrification of the initial 382 towns targeted under the project has made significant progress. All materials needed for connecting these 382 towns to the grid have been procured and the construction works are under way. Contracts for procurement of materials for electrification of an additional 70 towns have been signed and the materials are expected to be delivered by December 31, 2011. As of this ISR, about 244 towns and villages have been electrified and about 24,000 new consumers (households, businesses and others) have been connected to the grid in these areas. Construction of the 33kv network for the remainder of the target areas is scheduled for completion by end March, 2012, and those for the additional 70 towns and villages are planned to be completed by end November, 2012. All materials for the 17 planned substation reinforcements/constructions were secured. All 17
substations will be ready for testing and commissioning by March 30, 2012.

Overall project implementation progress is estimated at about 70% and all remaining activities are expected to be completed before the closing date of December 31, 2012.

### Locations

<table>
<thead>
<tr>
<th>Country</th>
<th>First Administrative Division</th>
<th>Location</th>
<th>Planned</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethiopia</td>
<td>The State of Amhara</td>
<td>Amara Kilil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethiopia</td>
<td>Gambela</td>
<td>Gambela Regional State</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethiopia</td>
<td>Oromia Regional State</td>
<td>Oromiya Kilil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethiopia</td>
<td>Tigray Regional State</td>
<td>Tigray Kilil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethiopia</td>
<td>SSNPR</td>
<td>Southern Nations, Nationalities, and People’s Regional State</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Results

#### Project Development Objective Indicators

<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Core</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Current</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Household electricity connections provided under the project</td>
<td></td>
<td>Number</td>
<td>0.00</td>
<td>22000.00</td>
<td>182000.00</td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td></td>
<td>26-May-2006</td>
<td>30-Sep-2011</td>
<td>31-Dec-2012</td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td>Moratorium on new connections due to power shortage was lifted in late 2010. New Connections are rapidly being added.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grid connection</td>
<td></td>
<td>Number</td>
<td>0.00</td>
<td>22000.00</td>
<td>182000.00</td>
</tr>
<tr>
<td>Sub Type Breakdown</td>
<td></td>
<td></td>
<td></td>
<td>26-May-2006</td>
<td>30-Sep-2011</td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td>Moratorium on new connections due to power shortage was lifted in late 2010. New Connections are rapidly being added.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electricity Consumption in Target Towns and Villages per year</td>
<td></td>
<td>Gigawatt-hour (GWh)</td>
<td>0.00</td>
<td>0.00</td>
<td>76.90</td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td></td>
<td>25-May-2006</td>
<td>30-Sep-2011</td>
<td>31-Dec-2012</td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td>Data collection by EEPCo pending</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indicator Name</td>
<td>Core</td>
<td>Unit of Measure</td>
<td>Baseline</td>
<td>Current</td>
<td>End Target</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>------</td>
<td>-----------------</td>
<td>----------</td>
<td>---------</td>
<td>------------</td>
</tr>
<tr>
<td>Household (residential)</td>
<td></td>
<td>Gigawatt-hour (GWh)</td>
<td>0.00</td>
<td>0.00</td>
<td>22.60</td>
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<tr>
<td>Sub Type Breakdown</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td>25-May-2006</td>
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<td>30-Sep-2011</td>
<td>31-Dec-2012</td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td>Data collection by EEPCo pending</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial and Industrial</td>
<td></td>
<td>Gigawatt-hour (GWh)</td>
<td>0.00</td>
<td>0.00</td>
<td>54.30</td>
</tr>
<tr>
<td>Sub Type Breakdown</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td>25-May-2006</td>
<td></td>
<td>30-Sep-2011</td>
<td>31-Dec-2012</td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td>Data collection by EEPCo pending</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak savings due to the deployment of Energy Efficient Lighting</td>
<td></td>
<td>Megawatt</td>
<td>0.00</td>
<td>78.80</td>
<td>131.00</td>
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<tr>
<td>Date</td>
<td></td>
<td>01-Jan-2009</td>
<td></td>
<td>30-Sep-2011</td>
<td>31-Dec-2012</td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td>Preliminary figure, not yet confirmed by M&amp;E. Based on 30 W per CFL for 6 million CFLs, for 2 hours per day for 60% of the year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expected Energy Savings by Virtue of Demand Side Interventions</td>
<td></td>
<td>Gigawatt-hour (GWh)</td>
<td>0.00</td>
<td>180.00</td>
<td>280.00</td>
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<tr>
<td>Date</td>
<td></td>
<td>01-Jul-2009</td>
<td></td>
<td>30-Sep-2011</td>
<td>31-Dec-2012</td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td>Preliminary figure, not yet confirmed by M&amp;E. Based on 30 Watt savings per CFL for 6.0 million CFLs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Intermediate Results Indicators**

<table>
<thead>
<tr>
<th>Indicator Name</th>
<th>Core</th>
<th>Unit of Measure</th>
<th>Baseline</th>
<th>Current</th>
<th>End Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Towns and Villages Electrified under the project</td>
<td></td>
<td>Number</td>
<td>0.00</td>
<td>244.00</td>
<td>382.00</td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td>31-Dec-2007</td>
<td></td>
<td>30-Sep-2011</td>
<td>31-Dec-2012</td>
</tr>
<tr>
<td>Comments</td>
<td></td>
<td></td>
<td>Ongoing field work</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Data on Financial Performance (as of 16-Nov-2011)**

**Financial Agreement(s) Key Dates**

<table>
<thead>
<tr>
<th>Project</th>
<th>Loan No.</th>
<th>Status</th>
<th>Approval Date</th>
<th>Signing Date</th>
<th>Effectiveness Date</th>
<th>Closing Date</th>
</tr>
</thead>
</table>

**Disbursements (in Millions)**

**Project** | **Loan No.** | **Status** | **Currency** | **Original** | **Revised** | **Cancelled** | **Disbursed** | **Undisbursed** | **% Disbursed**
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
P097271 | IDA-42000 | Effective | XDR | 92.80 | 92.80 | 0.00 | 57.65 | 35.15 | 62.00

### Disbursement Graph

![Disbursement Graph](chart.png)

### Key Decisions Regarding Implementation

**Full Disclosure**

### Restructuring History

Level two Approved on 15-Dec-2009, Level two Approved on 30-Jun-2011

### Related Projects

P092959-ET-Elec Access Rural Expansion CF (FY06)