

CLIMATE INVESTMENT FUNDS

SREP/SC.16/3/Add.1
December 1, 2016

Meeting of the SREP Sub-Committee
Washington DC
Tuesday, December 6, 2016

Agenda 3

ADDENDUM TO SREP OPERATIONAL AND RESULTS REPORT

Introduction

This is an addendum to document SREP/SC.16/3, *SREP Semi-Annual Operations and Results Report*, which provides more detailed and updated information related to GHG emissions avoided. Table 1 below presents the targets and actual GHG emissions avoided for the 18 MDB approved projects reporting results.

Addendum to SREP Operational and Results Report

Table: SREP MDB approved projects reporting on GHG emissions avoided

PROGRAM/PROJECT TITLE	COUNTRY	MDB	Target Annual Electricity Output (MWh)	Annual Target GHG emissions reduced/avoided (tons of CO2 equivalent)	Comments	Actual GHG emissions reduced/avoided (tons of CO2 equivalent)
Geothermal Exploratory Drilling Project	Armenia	IBRD	224,694	178,000	Applied the proxy based method	0
Geothermal Sector Development Project	Ethiopia	IBRD	552,000	438,122	Applied the proxy based method	0
Geothermal Sector Strategy and Regulations	Ethiopia	IFC	n.a.	n.a.		n.a.
Lighting Ethiopia	Ethiopia	IFC	n.a.	n.a.		n.a.
Strengthening the RE Policy and Regulatory Framework(FOMPIER)	Honduras	IDB	n.a.	n.a.		n.a.
Sustainable Rural Energization(ERUS)-Part I & III: Promoting Sustainable Business Models for Clean Cookstoves Dissemination	Honduras	IDB	n.a.	39,819	1.5 to 2.5 tons of CO2 per cook stove and year	77.3
Self-Supply RE Guarantee Program	Honduras	IDB	45,000	40,000	Used the national emission factor for Honduras based on Clean Development Mechanism estimates	174
Honduras Renewable Energy financing facility	Honduras	IDB	427,000	285,000		0
Menengai Geothermal Project-200 MW Geothermal-Phase A-Resource and Infrastructure Development and Mobilization of Private Sector	Kenya	AFDB	1,182,000	734,650	Follows Olkaria II geothermal plant calculations	0
Electricity Modernization Project	Kenya	IBRD	1,242	986	Applied the proxy based method	0
Rural Electrification Hybrid Systems	Mali	IBRD	8,653	6,868	Applied the proxy based method	0

Promoting the Scaling Up of Renewable Energy in Mali	Mali	AFDB	n.a.	n.a.		n.a.
South Asia Subregional Economic Cooperation Power System Expansion Project (formerly Rural Electrification Through Renewable Energy)	Nepal	ADB	25,228	20,000	Applied the proxy based method	0
Extended Biogas Program	Nepal	IBRD	20,400	16,970	Applied the proxy based method	0
Accelerating Sustainable Private Investments in RE Program(ASPIRE)	Maldives	IBRD	32,610	25,883	Applied the proxy based method	0
Preparing Outer Islands for Sustainable Energy Development Program(POISED)	Maldives	ADB	27,600	40,000	based on diesel reduction consumption to 0.1-0.3 liters/kWh	0
Sustainable Energy Industry Development Project	Pacific Region	IBRD	n.a.	n.a.		n.a.
Tanzania Mini-grids project	Tanzania	IFC	37,942	30,000	Applied the proxy based method	0
Total			2,584,369	1,856,298		251.3

n.a.: not applicable

GHG reduction measurement: In 2012, the SREP Sub-Committee decided that SREP projects should measure the co-benefit of avoided GHG emissions. In the absence of country or project-specific baselines, the SREP projects can estimate GHG emissions avoided using a simple, common, and transparent proxy-based method (emission equivalent based on diesel-generated electricity, as adopted by the ADB: 793.7 tons CO₂eq per GWh).

Estimated GHG emissions avoided from the endorsed investment plans

For the 19 investment plans that have been endorsed by the SREP Sub-Committee as of June 2016, the total estimated CO₂eq emissions avoided are approximately **5.4 million tons CO₂/yr**. These are preliminary estimates. When project proposals are submitted to the Sub-Committee for funding approval, they tend to provide more concrete information on expected electricity generation from renewable energy and GHG emissions avoided.