



MILLENNIUM DEVELOPMENT AUTHORITY (MiDA)

GHANA COMPACT II

July - September 2020 Performance Report

October 2020

Ghana Compact II Theme

"Powering Ghana for Accelerated and Sustainable Economic Growth"

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GLOSSARY OF ABBREVIATIONS

AAC	All Aluminum Conductor
ABC	Aerial Bundled Cable
AG	Attorney General
AL	Aluminum
BCS	Bid Challenge System
BSP	Bulk Supply Point
CAMM	Contract Administration and Management Manual
CAP-Scan	Capacity Scan
CED	Compact End Date
CIF	Compact Implementation Funding
CP	Condition Precedent
DCCN	Data Center and Communication Network
DMS	Document Management System
ECG	Electricity Company of Ghana Ltd
EEC	Energy Efficiency and Conservation
EEDSM	Energy Efficiency and Demand Side Management
EOT	Extension of Time
EPA	Environmental Protection Agency
ERP	Enterprise Resource Planning
ESMS	Environmental and Social Management System
ESH	Environment Social and Health
ESP	Environmental and Social Performance
ESIA	Environmental and Social Impact Assessment
FAT	Factory Acceptance Test
GIS	Geographic Information System
GoG	Government of Ghana
GPCIMP	Ghana Power Compact Internship and Mentoring Program
GSA	Ghana Standards Authority
GSI	Gender and Social Inclusion
HSESCA	Health Safety Environment and Social Capacity Assessment
HT	High Tension
HVAC	Heating, Ventilation, and Air Conditioning
ICC	Interconnecting Circuits
IDIQ	Indefinite Delivery Indefinite Quantity
IE	Implementing Entity
IEA	Implementing Entity Agreement
IFB	Invitation for Bids
IFC	International Finance Corporation
IGEA	Investment Grade Energy Audit
IPM	Integrated Planning Model
IPP	Independent Power Producer
LCU	Loss Control Unit
LV	Low Voltage
Km	Kilometer
kV	Kilovolt

MCC	Millennium Challenge Corporation
M&E	Monitoring and Evaluation
MiDA	Millennium Development Authority
MoEn	Ministry of Energy
MoE	Ministry of Education
MoF	Ministry of Finance
MoU	Memorandum of Understanding
NaCCA	National Council for Curriculum and Assessment
NARUC	National Association of Regulatory Utilities Commissioners
NEDCo	Northern Electricity Distribution Company Ltd
NFOT	NEDCo Financial and Operational Turnaround
OPGW	Optical Ground Wire
PAP	Prioritized Action Plan
PCSL	Parliamentary Committee on Subsidiary Legislation
PIA	Program Implementation Agreement
PIU	Program Implementation Unit
PMC	Program Management Consultant
PO	Purchase Order
POM	Procurement Operations Manual
PoW	Progress of Work
PPG	Program Procurement Guidelines
PSP	Private Sector Participation
PSWU	Public Services Workers Union
PURC	Public Utilities Regulatory Commission
PUWU	Public Utility Workers Union
RAP	Resettlement Action Plan
RCE	Resettlement and Community Engagement
RfP	Request for Proposals
RMU	Ring Main Unit
RPP	Regulatory Partnership Program
SESC	Sustainable Energy Services Centers
SGIP	Social and Gender Integration Plan
SoW	Statement of Works
STEM	Science Technology Engineering and Mathematics
TA	Technical Assistant
TER	Technical Evaluation Report
TOR	Terms of Reference
TP	Tariff Plan
TVET	Technical and Vocational Education Training
UENR	University of Natural Resources and Renewable Energy
UGFOC	Underground Fiber Optic Cable
VO	Variation Order
VRA	Volta River Authority

PART ONE: INTRODUCTION

1.1 SUMMARY OF ACTIVITIES AND ACHIEVEMENTS

The Compact Program, which is being implemented by MiDA seeks to address identified challenges in Ghana's Power Sector by providing an overall framework for strengthening the Ghana Electricity Distribution System.

During the period July-September 2020, MiDA achieved the following major Milestones:

ECG Financial and Operational Turnaround (EFOT) Project

- Geographic Information System (GIS): Completed Field Validation of ECG Assets and Data capture of Underground Cables in ECG Accra East and West Regions.
- Primary Substations (PSS) & Inter-Connecting Circuits (ICC): Overall progress as at September 2020 was 28% for the PSS and 37% for the ICC.
- Pokuase Bulk Supply Point (BSP) and Interconnecting Circuits (ICC): Overall progress was 81% for the Pokuase BSP and 71% for the ICC.
- Kasoa BSP and ICC: Overall progress achieved was approximately 56% at the end of September 2020.
- Low Voltage (LV) Bifurcation: Progress made for ECG Achimota District is 89%, Dansoman and Kaneshie District -76% and Mampong District - 90% as at the end of September. Meter Management System (MMS): Factory Acceptance Test (FAT) completed.
- Institutionalizing Gender-responsiveness in ECG: Virtual Capacity building for 180 Interns, Draft Sustainability Strategy and Implementation Plan.

Access Project

- Completed the award of Contract for the High Voltage Distribution System (HVDS) and Security Lighting Infrastructure upgrades in selected Markets and Economic Enclaves in Accra and Tamale.

Energy Efficiency and Demand Side Management (EEDSM) Project

- Signed contract with AC Test Laboratory Equipment Supplier
- AC Test Laboratory Containment Building: Overall progress at September 2020 was 50%.
- Lot 1 Legislative Instruments (LIs) was reviewed by the Energy Commission and Attorney General's Dept.
- Completed a virtual TOT Program and Abridged Technical Courses for the three (3) selected Tertiary institutions to host Sustainable Energy Services Centers (SESCs). A virtual Business Plan Workshop was also successfully held.
- Completed the development of Energy Efficiency and Conservation (EEC) Supplementary materials and Pre-Tertiary Curriculum Validation materials.
- Final Report on FMMS Data Dissemination submitted by the FMMS Consultant.
- Street Lighting Project: Lot 1 (West of the Central Business District) - 1305No. Luminaires installed; Overall progress at September 2020 was 31%. Lot 2 (Central Business District) - 617No. Luminaires installed: Overall progress at September 2020 was 39%. Lot 3 (East of the Central Business District) - 819No. Luminaires installed; Overall progress at September 2020 was 22%.

Environmental and Social Performance

- MiDA worked with consultants and contractors involved in implementation of Compact projects to develop and implement Covid-19 risk mitigation plans to mitigate the risk of infection and spread of the virus on Compact projects.
- MiDA continued to implement its Resettlement Action Plans (RAPs) for the Infrastructure Projects by paying compensations to Project Affected Persons (PAPs) to relocate them and to allow for implementation of infrastructure projects
- MiDA monitored the implementation of Health, Safety and Environment issues of the implementation of infrastructure projects to avoid and minimize risks and impacts.
- MiDA signed a contract to construct a 16 unit 3-bed block of flats at Kanda for PAPs.

1.2 CHALLENGES AND MITIGATION STRATEGIES

The COVID-19 pandemic and the resulting travel restrictions and, in some cases, the lockdown announced by Governments has caused delays to the following.

1. Factory Acceptance Tests (FATs).
2. Field activities, involving the presence of foreign-based personnel.
3. Capacity Building Workshops.

The following are the Mitigating Strategies that were pursued.

1. Use of Third Parties and Virtual Meetings for the FATS
2. Development and implementation of COVID-19 Risk Mitigation Plans by Consultants and Contractors to avoid and or minimize the risk of COVID-19 infection and spread in the field.
3. Adopt alternatives to face-to-face meetings to avoid human contact and minimize spread of the virus. Virtual Meeting platforms adopted.

PART TWO: PLANNED PROGRAMMES AND ACHIEVEMENTS

2.1 INTRODUCTION

The Millennium Development Authority (MiDA) was established by an Act of Parliament (Act 702, 709 & 897 as amended). MiDA was established to oversee, manage and implement the Programmes under the Millennium Challenge Account for poverty reduction through economic growth as set out in each agreement between the Government of Ghana and the Millennium Challenge Corporation acting for and on behalf of the Government of the United States of America, and for any other national development programme of similar nature funded by the Government of Ghana, a Development Partner or both and to provide for related matters.

The first 5-Year Millennium Challenge Compact was signed between the United States of America, acting through the Millennium Challenge Corporation (MCC) and the Government of Ghana (GoG) in August 2006. The Compact implementation started on 16th February 2007 and ended on 15th February, 2012, and utilized approximately US\$547.009m grant funds.

On 5th August 2014, the second Millennium Challenge Compact (also referred to as the Ghana Power Compact) between the Republic of Ghana and the United States of America was signed.

The Power Compact Program originally had a Budget of US\$ 498.2 million consisting of two Tranches of Program Funding amounting to US\$ 469.3 million and a Compact Implementation Funding (CIF) of US\$ 28.9 million. In addition, there is a Government of Ghana (GoG) contribution of not less than 7.5% (i.e. US\$ 37.4 million), bringing the total Compact Funds to US\$ 535.6 million.

The Tranche II Funds, which amounts to US\$ 190 million of the total, was contingent on meeting a number of Conditions Precedent (CPs), the principal one being Private Sector Participation (PSP) in ECG. MiDA worked with relevant GoG entities to meet the CPS. In particular, a private sector entity, Power Distribution Services Limited (PDS) was handed over the operations of ECG on March 1, 2019 under a 20-year Concession Agreement. However, GoG cancelled the Agreement because PDS did not fully comply with the requirements for the take-over. Thus, the US\$190 million Tranche II Funds are no longer available to be utilized under the Power Compact.

The Power Compact Program originally consisted of the following six (6) Projects categorized under two key components of the electricity value chain:

- Distribution Projects
 - ECG Financial and Operational Turnaround (EFOT) Project
 - NEDCo Financial and Operational Turnaround (NFOT) Project
 - Access Project
- Generation Projects
 - Regulatory Strengthening and Capacity Building (RSCB) Project
 - Power Generation Sector Improvement (PGSI) Project
 - Energy Efficiency and Demand Side Management (EEDSM) Project

The Compact Program seeks to address identified challenges in Ghana's Power Sector by providing an overall framework for strengthening the Ghana Electricity Distribution System. This was to be achieved by helping the Electricity Company of Ghana (ECG) and the Northern Electricity Distribution Company (NEDCo) to reduce their Technical and Commercial Losses and attract the needed investments. The Compact was also to provide Technical Assistance in the areas of Corporate Governance, Technical Capacity of Sector Regulators, and the integration of Gender issues into the operations of relevant Sector Agencies.

The expected outcome for the Compact Program at the time of Inception was the modernization of the Power Distribution Companies and Capacity Building within the Power Generation Institutions in Ghana, and to present the Power Distribution Companies as credible Off-takers for current and prospective Independent Power Producers (IPPs).

Following a joint MCC-MiDA Mid-Term Review of the Program in February 2019, the NFOT and PGSI Projects were de-scoped. Some sections of the NEDCo Staff were opposed to the Management Contract component of the Project, thus stalling the work on the NFOT Project. In the case of the PGSI Project, most of the Activities planned under the Compact are being funded by the United States Agency for International Development (USAID).

This Performance Report captures Activities related to the following.

- Program Activities

- Procurements
- Distribution Projects
- Generation Projects
- Environment and Social Performance (ESP)
- Gender and Social Inclusion (GSI)
- Monitoring and Evaluation
- Communications and Outreach

2.2 PROGRAM ACTIVITIES

2.2.1 Procurements

Procurement implemented by the Millennium Development Authority (MiDA) is in accordance with Compact requirements, the Program Implementation Agreement as well as MCC Program Procurement Guidelines (PPG) and MCC Guidance Papers. These Guidelines are further elaborated in the Procurement Operations Manual (POM) and Contract Administration and Management Manual (CAMM).

Activities from July to September 2020

Seven (7) Contracts valued at US\$ 8,042,850.85 were signed in the 3rd Quarter of 2020 as indicated in the below (Table 1).

Table 1: Contracts signed in July-September 2020

Contract No.	Description	Method	Type	Organization	Contract Value	Contract Signed
5810500-82	Procurement of Firewall Software License- Lot 1	Shopping	G	Synet Solution Limited	GHS 44,500 plus \$ 7,710	23-Jul-20
5810500-82	Procurement of Firewall Software License- Lot 2	Shopping	G	Humon Company Limited	GHS 54,000 \$ 9,356	23-Jul-20
5140800	Environmental, Social, Health Safety (ESH&S) Services Primary Substation and Associated Interconnecting and Offloading Circuits at Kanda and UGMC	QCBS - IDIQ	S	SAL Consult Limited	\$ 61,500	17-Aug-20
5140800	Environmental, Social, Health Safety (ESH&S) Services Construction of Bulk Supply Point (BSP) at Kasoa	QCBS - IDIQ	S	SAL Consult Limited	\$ 73,000	17-Aug-20
5420300	Contract for High-Voltage Distribution System (HVDS) + Security Lighting Work Packages for Markets and Economic Enclaves (M+Ees)- Lots 1, 2 & 3	CB	W	Intermerc Limited	\$5,359,537.85	13-Aug-20
5610200	AC Test Laboratory	CB	G	CR Intertrade	\$1,313,000	06-Sep-20
5140900-07	Construction of 16 3-Bed Flats for PAPs at Kanda	CB	W	Capitol Engineering	\$1,218,747	23-Sep-20
Total Contracts Signed in July 2020 to September 2020					US\$ 8,042,850.85	

Type: CS=Consultancy Services; NCS=Non-Consultancy Services G=Goods; W=Works

2.2.2 Distribution Projects

The Power Distribution Sector Projects consist of the ECG Financial and Operational Turnaround (EFOT) Project and the Access Project. Progress made in these areas during the reporting period is summarized in the Table below.

Status and Progress of Ongoing Program Activities, Distribution Projects

Activity	Sub-Activity	July-September 2020 Progress
EFOT Project		
Modernizing ECG Operations	Geographic Information System	<p>The GIS Contractor, Hexagon, commenced work on August 7, 2017.</p> <p>Data Migration processes have been completed.</p> <p>Underground capture and Field Validation ongoing in Kwabenya, Legon and Roman Ridge Districts.</p> <p>Aerial imagery – Post-processing completed for Kwabenya, Legon, Roman Ridge, Makola, Korle Bu, Kaneshie, Dansoman, Bortianor, Dodowa, Mampong Districts; and work is in progress for Teshie, Achimota, Ablekuma, Nsawam Districts.</p> <p>10 ECG Staff from Kwabenya, Legon, Roman Ridge, Kaneshie, Dansoman, Teshie, Makola, Korle Bu and Bortianor Districts trained on Positional Validation; and the Training ongoing for Staff in the Dodowa and Mampong Districts.</p> <p>30 ECG staff from Kwabenya, Legon, Roman Ridge, Kaneshie and Dansoman District Offices trained on Overhead Attribute Validation; and the Training ongoing for Staff in Teshie and Makola Districts.</p>
Technical Loss Reduction	Construction of Kanda and Legon Primary Substations & Interconnecting Circuits	<p>PSS</p> <p>The Insurance Policy, Management and Work Plans of Eiffage, the Contractor, were approved. Topographical Survey and Geotechnical Investigation conducted at the Kanda and Legon Sites. Soil contamination tests by the GSA completed. Campsites for both the Legon and Kanda Sites completed and Earthworks ongoing.</p> <p>PSS ICC</p>

Activity	Sub-Activity	July-September 2020 Progress
		<p>The Management and Work Plans of TBEA, the Contractor, approved.</p> <p>TBEA submitted Technical Specifications of major Equipment for approval</p> <p>Evidence of Insurance was provided by the Contractor, and Insurance Policies were approved.</p> <p>Surveys for the production of Detailed Designs ongoing.</p> <p>Construction works have started with Thrust Boring activities in the Legon Area.</p>
	<p>Construction of Pokuase Bulk Supply Point & Interconnecting Circuits</p>	<p>BSP</p> <p>The Contractor for the Pokuase BSP, Elecnor SA, commenced works on March 5, 2019.</p> <p>Overall progress of work is 81%.</p> <p>COVID-19 impacts are being monitored and documented.</p> <p>In the quarter, the following works were completed: Factory Acceptance Tests, Shipment & Type Testing of Transmission Towers.</p> <p>All Primary Equipment has been delivered to site. Overall Equipment deliveries are 85% complete from previous quarter of 34%, with the following additional equipment remaining to be delivered:</p> <ul style="list-style-type: none"> • CCTV, • Fire detection system, and • Transmission Towers. <p>Civil Works is 76% complete overall, with the following specific progress:</p> <ul style="list-style-type: none"> • Equipment / Gantry Foundations - 99% • GRIDCo Control Building - 74% • ECG Control Building - 83% • External Drainage System - 75% • Trenches and Ducts - 79% • Feeder foundation works started, and is at 80% complete.

Activity	Sub-Activity	July-September 2020 Progress
		<p>Travel arrangements were made to ensure the Contractor’s ElectroMechanical Team/Supervisor’s arrival to site for the equipment installation works, which is currently at 23% complete.</p> <p>Progress of erection of Steel Structures is at 17%, and Earthing System installation at 58%. Work is steadily on-going on the Capacitor Banks Foundations area and Perimeter/Boundary Walls.</p> <p>Assembly/erection of reactors has commenced.</p> <p>ICC The work commenced on October 1, 2019 by Best & Crompton. Overall progress is 71%.</p> <p>Contractor regained some of time lost on Manufacturing and Testing, as a result of the COVID-19 situation, using alternative arrangements, including the use of two Third Party Firms for the testing of the Towers, instead of one, and the Contractor taking the risk of having the manufacturing to commence the first week into the testing instead of waiting for the full four-week period for the test to be completed.</p> <p>The following are the specific progress made.</p> <ul style="list-style-type: none"> • The first Lot of Wood Pole materials delivered to Site. • Hardware Fittings for 11kV, 33kV and Optical Ground Wire (OPGW) manufacturing is completed. Delivery to site is now expected in July 2020. • The 1st Lot of Power Cable and OPGW / Underground Fiber Optic Cable (UGFOC) are expected to be delivered to the Site. • A Third Party Agency has been engaged to undertake the Type Test for Towers, which is a critical item with major impact in the Project timelines. • Thrust boring is 34% complete.
	Construction of Kasoa Bulk Supply Point & Interconnecting Circuits	<p>BSP The Contract for the Kasoa BSP with Siemens Energy SAS of France commenced on January 31, 2020. Overall progress at the end of September was 56% against a planned target of 63%.</p>

Activity	Sub-Activity	July-September 2020 Progress
		<p>Engineering Designs: Progress at the end of September was 58%. All basic designs have been approved. Siemens continues to submit design documents for review.</p> <p>Procurement/Manufacturing: Progress at the end of September was 46%. Civil Works Execution: Progress at the end of September was 19%. Earthworks completed. Siemens recovery plans for catch up to be reflected in their updated schedule expected by end of October 2020.</p> <p>Works at various degrees of completion for ECG Control Building, and equipment foundation works.</p> <p>Progress had been made towards establishment of a Standing Dispute Adjudication Board (DAB) for the Project. The Contractor and Employer’s Nominees have been approved; awaiting selection of a chairman to complete the process.</p> <p>VOs for changes in position and layout of the substation reviewed; agreed negotiated amount - USD 649,629.70; within the approval threshold of the Engineer. MiDA Management has approved for necessary Contract amendment to be concluded.</p>
	<p>Low Voltage Bifurcation and Network Improvements – Achimota District</p>	<p>This Activity is 89% complete.</p> <p>Almost all materials and equipment have been procured and delivered to site. The outstanding equipment are the 4th & 5th lots of the LV DPs. The items delivered within the reporting quarter include the 11kV RMUs, 1st, 2nd & 3rd batch of the LV DPs, substation fence materials and Service cable accessories.</p> <p>Community engagement, Communications, RAP, Health & Safety activities progressed as scheduled. Summary construction activities completed as at the end of the reporting quarter is outlined below:</p> <ul style="list-style-type: none"> • A total of 5,686 Wood Poles have been planted till date out of 5,898 This include 528 11m (HT) Poles (out of 590) and 5,158 9m (LV) Wood Poles out of 5,308)

Activity	Sub-Activity	July-September 2020 Progress
		<ul style="list-style-type: none"> • 62.5km out of 76.6km of 120sq.mm AAC HT conductors have been strung. • 1,210km out of 1,352km of 120sq.mm AAC LV conductors have been strung (new LV lines). • 1,273km out of 1,428km of 120sq.mm AAC LV reconductoring. • 37.6km out of 238km of 2x25sq.mm LV Service Cables. • 8 out of 8 Ground mounted transformer, RMU and LV DP foundations (civil works) 68 out of 70 Transformer injections have been completed. • 3 out of 11 Transformer uprates have been completed. • 47 out of 81No. LV DPs have been installed. • 2.9km out of 6km of ABC Cable strung. • 1,335 out of 4,042 Wood Poles have been retired. • 3 out of 11 Transformers have been retired. • 1,009km out of 1,157km of 50sq.mm AAC Conductors have been retired. • 7 out of 8 RMUs have been mounted
	<p>Low Voltage Bifurcation and Network Improvements – Dansoman & Kaneshie District</p>	<p>This Activity is 74% complete.</p> <p>Most materials & equipment have been delivered to site. The outstanding materials are the LV Service Cables, 2nd lot of the Service Cable accessories and Substation fence materials. The items delivered within the reporting quarter include the Overhead line hardware and Earthing materials, first lot of the LV Service cable accessories, LV, MV & ABC Cables, 120sq.mm AAC Conductor, 11kV RMUs and LV DPs. Community engagement, Communications, RAP, Health & Safety activities progressed as scheduled.</p> <p>Summary construction activities completed as at the end of the reporting quarter is outlined below:</p> <ul style="list-style-type: none"> • 4,250 out of 4,367 Wood Poles have been planted till date. These include 4,126 out of 4,174 9m (LV) Poles and 124 11m out of 193 (HT) Poles. • 43 out of 69 LV DP, GMT & RMU foundations completed. • 590m out of 340m of Thrust borings completed. Actual quantity complete is higher than BoQ quantity. Variation to be processed on completion of activity.

Activity	Sub-Activity	July-September 2020 Progress
		<ul style="list-style-type: none"> • 31km out of 81.5km of 120sq.mm AAC (new LV line) conductor have been strung • 6 out of 34 Transformer injections completed. • 6 out of 34 LV DPs mounted. • 6 out of 39 RMUs mounted. • 41.2km out of 447km of 120sq.mm AAC (Reconductoring) have been done. • 2.6km out of 8.6km of 3x185sq.mm (11kV) Underground Cable have been laid. • 2.9km out of 59km of 2x25sq.mm Service Cable have been strung. • 41.2km out of 447km of 50sq.mm AAC Conductors have been retired. • There were grievances from some residences related to the location of the RMU foundations at Adabraka, in the Kaneshie district. These issues have been resolved by the RAP Consultant and MiDA ESP Unit.
	<p>Low Voltage Bifurcation and Network Improvements – Mampong District</p>	<p>Activity is 90% complete.</p> <p>Procurement of materials & equipment was 100% completed at the end of the reporting quarter with the delivery of the substation fence materials. Community engagement, Communications, RAP, Health & Safety activities progressed as scheduled. Summary construction activities completed as at the end of the reporting quarter is outlined below:</p> <ul style="list-style-type: none"> • A total of 1,823 Wood Poles have been planted till date out of 1,888. This includes 733 11m (HT) Poles and 1,090 of 9m (LV) Wood Poles have been planted. • 16 out of 18 Transformer uprates have been installed. • 81 out 116 Transformer injections have been installed. • 92 out of 134 LV DPs installed • 46.4km out of 107km 2x25sq.mm Service Cables have been installed. • 93.6km out of 107km 120sq.mm AAC HT conductors have been strung. • 14.5km out of 28km of 120sq.mm AAC LV (new lines) conductors have been strung. • 727km out of 860km of 120sq.mm reconductoring works.

Activity	Sub-Activity	July-September 2020 Progress
		<ul style="list-style-type: none"> • 16 out of 18 Transformers have been decommissioned. • 717km out of 860km of 50sq.mm AAC have been retired. • 394 out of 819 LV Wood Poles and pole-top accessories have been retired. <p>PAPs objected to the installation of Transformers and Wood Poles close to their premises even though installations were within the utility Right-of-way. MiDA ESP Unit and its RAP Consultant managed the issues to avoid delays to the construction works.</p>
Commercial Loss Reduction	Installation of Meter Management System (MMS)	<p>The Contractor completed purchase of all Hardware, Base Software, and installation and configuration of Interfaces for Software Applications.</p> <p>Completed configuration of the System to suit ECG.</p> <p>Completed the Factory Acceptance Test (virtually).</p> <p>90% of Prepayment Meters integration completed.</p>
Access Project		
Infrastructure	High Voltage Distribution System (HVDS) & Security Lighting in Markets and Economic Enclaves (M&EEs)	Having resolved the funding challenges, with GoG providing the required Funds, the Contract was signed on August 14 for the High Voltage Distribution System (HVDS) and Security Lighting infrastructure upgrades in seven (7) and three (3) selected M&EEs in Accra and Tamale respectively.
Social Inclusiveness and Improved Partnerships	Customer Outreach, Normalization of Services, and Facilitation Assistance (COFANS) for new connections	Following the gradual easing of restrictions, MiDA worked with the Consultant to develop and implement a COVID-19 Risk Mitigation Plan to manage risk of infection and spread of Covid-19 in the implementation of activities in the M&EEs. Activities resumed in September 2020.

2.2.3 Generation Projects

Following the de-scoping of the Power Generation Sector Improvement (PGSI) Project, the Generation Sector Projects now consist of the Regulatory Strengthening and Capacity Building (RSCB) Project and the Energy Efficiency and Demand-Side Management (EEDSM) Project.

The Report below covers progress made on these two Projects during the first half of the year.

Status and Progress of Ongoing Program Activities, Generation Projects

Activity	Sub-Activity	July-September 2020 Progress
Regulatory Strengthening & Capacity Building Project		
Tariff Review and Regulatory Activity	Tariff Study and Tariff Plan	The National Association of Regulatory Utility Commissioners (NARUC) submitted their May - September, 2020 Quarterly Reports. The reports covered the Ongoing coordination with PURC, EC, and MiDA project managers, including monthly calls to discuss project progress, identify and address implementation challenges (including the impacts of COVID-19 on activity planning), and sharing NARUC resources.
Energy Efficiency & Demand-Side Management (EEDSM) Project		
Development and Enforcement of Standards and Labels	Development of Standards and Labels	GSA completed the adoption of Supplementary Standards for Fans (i.e. Industrial and Small Ventilating Fans). These standards are going through the gazetting process.
	Legislative Instruments (LIs)	<p>The Energy Commission Technical Committee reviewed Lot 2 drafted Legislative Instruments (LIs) for the enforcement of the Standards and Labels.</p> <p>The following new LIs were drafted for the following:</p> <ol style="list-style-type: none"> Electricity Distribution Transformers Electricity Prepaid Meters Solar Panels Solar Inverters Solar Batteries <p>Lot 1 Legislative Instruments (LIs) was reviewed by the Attorney General's Dept.</p> <p>The LIs Drafting Consultant continued to draft Lot 4 LIs.</p>

Activity	Sub-Activity	July-September 2020 Progress
	Construction of AC Test Laboratory Containment Building	<p>Following the handing over of site to the Contractor on May 29, 2020, overall progress of work as of September 2020 is 48%.</p> <ul style="list-style-type: none"> • Design review and production of working drawings - 100%. • Demolition Works - 100% • Substructure Works - 100% • Excavation Works - 100% • Concrete Works - 100% • Superstructure Works - 100% • Structural Steel Framing <ul style="list-style-type: none"> ○ Fabrication of Structural Steel Portal Frame Members Offsite - 100% ○ Erection of Structural Steel Portal Frame Members on Site - 100% ○ Erection of Steel Beams and Columns to 1st Floor - 100% ○ Fabrication and Installation of Staircase - 50% • Civil works <ul style="list-style-type: none"> ○ Laying of Block Wall in Superstructure - 100%
	Supply & Installation of Additional Test Laboratories	Final Performance Guarantee (PG) submitted and Contract signed on September 23, 2020.
	Field Metering and Monitoring Studies (FMMS)	Final Report on FMMS Data Dissemination submitted by the Consultant on September 27, 2020.

Activity	Sub-Activity	July-September 2020 Progress
Improved Energy Auditing	Race to Retrofit & Renewables (RTRR)	<p>Manufacturing of Lighting Products, Air Conditioners, Refrigerators, Ceiling Fans and Real-Time Energy Monitoring Systems (R-TEMS) Panel components and Current Transformers (CTs) completed and materials shipped to Ghana.</p> <p>Lot 1: Lighting products have arrived at the port and have been cleared by the Contractor.</p> <p>Lot 2: Air-conditioners, Refrigerators and Ceiling Fans have been shipped.</p> <p>Lot 3: The Real Time Energy Monitoring Systems (RTEMS) Meters and its accessories have arrived at the port and have been cleared.</p> <p>The RTRR Program Consultant conducted and submitted reports for the Investment Grade Energy Audits (IGEAs) for 14 Additional Buildings in Korle Bu Teaching Hospital.</p>
	Setting Up of Sustainable Energy Services Centers (SESCs)	<p>The MiDA Board approved the inclusion of the Accra Technical University to the other two host Institutions for the SESCOs (Kwame Nkrumah University of Science and Technology (KNUST) and the University of Energy and Natural Resources (UENR) because of the geographical spread of the three Institutions.</p> <p>Completed TOT Program and Abridged Technical Courses for the three (3) selected Tertiary institutions to host Sustainable Energy Services Centers (SESCs). A Business Plan Preparation Workshop for the Centers was also held.</p>
Education & Public Information	Update of Pre-Tertiary School Curriculum on Energy Efficiency and Conservation (EEC)	<p>Final EEC Posters for Primary, JHS and SHS developed and submitted.</p> <p>EEC Supplementary Curriculum Materials developed, reviewed and approved.</p>
Demand-Side Management	Street Lighting	<p>The Contractors commenced actual works phase in August after the full delivery of the first batch of materials.</p> <p>The following is the overall progress as at September:</p>

Activity	Sub-Activity	July-September 2020 Progress																												
		<p>Lot 1: Overall progress – 31% A total of 1305No. Luminaires out of 5283No. has been installed on the following Roads and Streets: Tetteh Quarshie Interchange, Bawaleshie Road, George Walker Bush Highway, Dansoman Road, Kwashieman Road, Achimota-Legon Road. Street Lighting Fiberglass Pole Plinths</p> <ul style="list-style-type: none"> • Excavation - 15No. completed; Formwork – 18No. completed; Concrete works – 15No. completed • Street Lighting Steel Poles Plinths • Excavation for - 114No; Formwork – 114No.; Concrete works – 114No. • Control Cubicles – 3No. installed. <p>Lot 2 – Overall progress – 39% A total of 617No. Luminaires out of 4,558No. has been installed on the following Roads:</p> <table border="0" style="width: 100%;"> <tr> <td>Lokko Street</td> <td>Mukose Road</td> </tr> <tr> <td>Salem Road</td> <td>Abeka Road</td> </tr> <tr> <td>Hansen Road</td> <td>Darkuman Road</td> </tr> <tr> <td>Amoonakwa Road</td> <td>Agbonboi Street</td> </tr> <tr> <td>New Fadama Road</td> <td>Feo Eyo Street</td> </tr> <tr> <td>Fourth Street</td> <td>Hill Street</td> </tr> <tr> <td>Agbon Boi Palace Street</td> <td>Commercial Road</td> </tr> <tr> <td>Mantse Boi Street</td> <td>Bannerman Road.</td> </tr> </table> <p>Cable Works – A total 7km of (4*25mm) armored cables have been laid on the following Roads:</p> <table border="0" style="width: 100%;"> <tr> <td>Abeka Road</td> <td>Darkuman Road</td> </tr> <tr> <td>Mukose Road and</td> <td>Lokko Street</td> </tr> <tr> <td>Agbon Boi Palace Street</td> <td>New Fadama Road</td> </tr> <tr> <td>Amoonakwa Road</td> <td>Commercial Road</td> </tr> <tr> <td>Mantse Boi Street</td> <td>Bannerman Road</td> </tr> <tr> <td>Feo Eyo Street</td> <td></td> </tr> </table> <p>Cubicles – 5No. Cubicles have been rehabilitated.</p> <p>Lot 3 – Overall progress – 22% A total of 819No. Luminaires have been installed out of 4,128No. on the following Roads and Streets: Aburi Road; Apaapa Road; Giffard Road; Maale Dada Street; and Teshie Bush Road.</p> <p>Excavation, construction, and installation of 33No.</p>	Lokko Street	Mukose Road	Salem Road	Abeka Road	Hansen Road	Darkuman Road	Amoonakwa Road	Agbonboi Street	New Fadama Road	Feo Eyo Street	Fourth Street	Hill Street	Agbon Boi Palace Street	Commercial Road	Mantse Boi Street	Bannerman Road.	Abeka Road	Darkuman Road	Mukose Road and	Lokko Street	Agbon Boi Palace Street	New Fadama Road	Amoonakwa Road	Commercial Road	Mantse Boi Street	Bannerman Road	Feo Eyo Street	
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Agbon Boi Palace Street	New Fadama Road																													
Amoonakwa Road	Commercial Road																													
Mantse Boi Street	Bannerman Road																													
Feo Eyo Street																														

Activity	Sub-Activity	July-September 2020 Progress
		Plinths for Control Cubicles on the following Roads: 5 th Circular Road Josif Broz Tito Avenue Airport Bypass Maale Dada Street Apaapa Road North Labone Avenue Beach Road OAU Lounge Community 18 Road Spintex Road 4th Circular Road Switchback Road Giffard Road Tsui Bleoo Road Hospital Roundabout to Aburi Road Bush Road

2.2.4 Environment and Social Performance

The Compact requires that all Projects are implemented in compliance with MCC's Environmental Guidelines, the International Finance Corporation (IFC) Performance Standards on Environmental and Social Sustainability, and Ghanaian Environmental Laws, Regulations, Licenses, and Permits. MiDA continues to ensure projects financed under the Compact remain compliant with these regulations and guidelines.

The following were achieved during the period July-September 2020:

1. Resettlement Action Plan Implementation and Community Engagement Support for Infrastructure Projects
 - Developed and implemented a RAP to permanently relocate Six (6) PAPs along the Pokuase - Kwabenya Road to allow for the installation of 33kV medium voltage lines. The 6 PAPs were paid and given a month to permanently relocate from the corridor. Total compensation paid to the 6 PAPs amounted to GHS 218,193.75.
 - Worked with the RAP and Community Engagement Consultants managing issues of displacement and community engagement on the Pokuase ICC Project and the LVB Projects to manage installation of electrical equipment within the utility corridors in built-up communities in Pokuase, Dansoman, Kaneshie, Mampong and Achimota. MiDA paid compensation to property owners and businesses relocated within the utility corridors to relocate them to avoid delays to the implementation of the projects.
 - Developing a RAP in Kasoa along the 161kV route to identify and compensate PAPs affected by the redesign of the 161kV lines of the Kasoa BSP. MiDA plans to finalize the RAP, compensate the PAPs and hand over the area to the Contractor (Siemens) by end of November 2020.

2. COVID-19 Risk Mitigation Plans - MiDA worked with Consultants and Contractors to develop and implement Covid-19 risk mitigation plans to manage the risk of infection and spread of the virus on the projects. The following Contractors and Consultants received MCC No Objection to implement their Covid-19 plans:
 - Three (3) Contractors of the Street Light activity under the EEDSM Project - Elswedy, Process and Plant Automation (PPA), PREFOS GH LTD.

- Siemens Pty, SA - MMS Project
 - Hexagon PDSA - GIS Project.
 - UC Berkeley - GridWatch Activity.
 - Intermec - HVDS and Security Lighting Activity of the Access Project.
 - Innovative Services Limited (ISL) - Customer Outreach and Facilitation Assistance for New Connections and Normalizations of Services (COFANS), Access Project. Jon Dee and Vision Consult - EEDSM. Consultants and Contractors submitted claims to MiDA for implementing the measures approved in the Covid-19 risk mitigation plans. MiDA did not record any suspected or confirmed case of Covid-19 in any of the Projects during the period. MiDA continues to monitor the implementation of the approved measures to avoid and minimize the spread of the virus on Compact Projects.
3. Signed a contract with Capitol Engineering Ltd. to construct the 16 unit 3-bed block of flats at Kanda for PAPs identified to be impacted by the construction of the Kanda Primary Substation. Kick off meeting has been held with the contractor, access to site granted by MiDA and construction commenced by the Contractor.

2.2.5 Gender and Social Inclusion

Gender and Social Inclusion (GSI) in MiDA is aimed at ensuring a Gender responsive and socially inclusive electricity service delivery and enhancing the Quality of Gender and Gender responsiveness in Compact activities.

The GSI Activities in the reporting period covered the following.

1. Implementation of the Social and Gender Integration Plan (SGIP)
 - MiDA participated in the MCC GSI Online Forum with Participants from other MCA Compact countries. The Forum covered updates on MCC C-TIP Approach, C-TIP and Anti-Sexual Harassment requirements in Procurement, and Case Studies from Niger, Morocco and El Salvador.
2. Incorporation of Gender and Social Inclusive Considerations in Compact Implementation
 - Monthly Progress Reports and Evaluation Reports on Projects and Crosscutting Activities were reviewed to ensure gender and social inclusiveness.
 - Held discussions with SMEC GSI Expert to ensure that Project Teams and Contractors comply with Gender and Social Inclusion requirements.
 - Participated in monthly progress meetings for TBEA and Effifage.
3. Gender Audit/Gender Policy and Institutional Strengthening of ECG
 - The GSI team discussed MiDA's support of ECG GSI Action Plan with Director Corporate Affairs and ECG GSI Manager.
 - A Consultant identified to support the process is conducting a Learning Needs Assessment and a Coaching Trajectory for the ECG GSI Manager and her team of regional Gender Focal Persons.
 - Executives of the ECG Female Employee Associations: the Power Queen Club and ECG WinE are being supported with training in Knowledge-Sharing, Networking, and Advocacy.

4. Internship and Mentoring Program
 - 180 qualified Interns participated in a virtual capacity building program. Capacities were built in Personality Styles: Self-development and Career Planning; Leadership; Anti-Sexual Harassment; Mentoring for Mentees; Communication: How to develop bios/profiles and Social Media as a Tool for Marketing for Employment; and Workplace Environment in the Energy Sector and Human Resource Issues.
 - List of Interns shared with Mentoring Organizations: ECG WinE and WiSTEM, and the Ghana Statistical Services for mentoring.
 - The task of how to sustain the achievements of the GPCIMP to result in the ultimate goal of employment for the GPCIMP alumni has been added to the tasks for the Sustainability Strategy and Implementation Plan.
5. Gender and Energy Working Group (GEWG)
 - The Directorate also organized a Gender and Energy Working Group meeting on September 29, participants provided updates on how they have been promoting gender equality in their activities. Preliminary ideas for the Women in Energy Conference II were also discussed.

2.3 MONITORING AND EVALUATION

The following M&E activities were carried out during the period July-September 2020.

1. M&E Plan
 - Final draft of the Revised M&E Plan (Version IV) approved by the MiDA Board on September 2, 2020, and subsequently by MCC in the same month.
2. Post-Compact M&E Plan
 - Commenced discussions with MCC on the modalities for developing the Post-Compact M&E Plan. The National Development Planning Commission (NDPC) has been identified as the potential Lead Agency for the implementation of the Plan. Preliminary discussions were held with the M&E Directorate of NDPC to explore the Commission's willingness to lead this.
 - Identified Key Performance Indicators (KPIs) in the current M&E Plan that are likely to be included in the Post-Compact M&E Plan.
 - Prepared a Proposal for NDPC to be the GoG designated entity to manage the Post Compact M&E Plan from Year 2022 to 2026.
 - Prepared a zero Draft of the Post-Compact M&E Plan for MCC M&E to review and provide feedback.
3. Ghana II Power Compact Closeout Report
 - Submitted draft Closeout Plan for the Ghana II Power Compact to MCC, incorporated MCC comments and resent second draft.
4. Process Evaluation
 - The Consultant submitted the Final Mid-Term Evaluation Report on August 28, 2020, and was approved by MiDA.
5. Performance and Impact Evaluations

- Impact Evaluation of Technical Loss Activity of EFOT Project
 - The GridWatch Consultant, University of California Berkeley (UCB) presented a Report on the impact of COVID-19. The three largest impacts outlined relates to i) Supplier shortages, ii) Travel restrictions, and iii) Institutional restrictions on Research. This prevented them from meeting the April 13, 2020 timeline for Interim Report on Deployment to Targeted Districts within Accra. The Contract end date remains the same notwithstanding. These timelines will be reviewed periodically.
 - Following actions taken to handle the Supplier delay, most of the required parts have been supplied.
 - GridWatch Devices initially installed in Achimota, Dansoman and Kaneshie ECG Districts continued to collect Data, while awaiting deployment of additional Devices, particularly in Dansoman and Kaneshie. Outage Data Visualization System (DVS) developed and Draft Report submitted by the GridWatch Consultant and comments provided by MiDA on May 29, 2020.
- Impact Evaluation of the Overall Compact
 - In-person Data Collection Questionnaire for the Household and Enterprise Survey translated to two local languages - Twi and Ga. Programming the Questionnaire using SurveyCTO was completed. However, change in Data Collection mode (from in-person to telephone interviews) has necessitated further work.
 - First draft of COVID-19 Mitigation Plan submitted by Consultant, reviewed by MCC and MiDA and comments sent to Consultant to address and resubmit.
 - Although the Household and Enterprise Survey Consultant received Ghana Health Service's (GHS) approval of the Survey Protocols, the change in the Data Collection mode has led to an amendment to the protocols for another GHS review and clearance.
 - MiDA Board approved a request for a 17.7% increase in the Household and Enterprise Survey Contract Budget due to an increase in scope of Listing of Enterprises from 10 to between 100 - 150 per an Enumeration Area, and the creation of Enterprise EAs, hitherto assumed to be obtained from the Ghana Statistical Service.
 - Following MiDA Board's approval of Budget and extension of Contract end date, a Variation Order and update to the Terms of Reference (including scope of services) was completed.

6. Reporting of Results

- Indicator Tracking Table (ITT) and Narrative Report
 - Submitted the ITT on results for Compact Qtr. 16 (March-June 2020) and the Narrative Report for Compact Qtr. 17 (July-September, 2020) to MCC on September 10, 2020, as part of the Disbursement Request Package for Compact Qtr. 18 (October-December 2020).

2.4 COMMUNICATIONS AND OUTREACH

2.4.1 Communication Strategy

The Government of Ghana's termination of the Electricity Company of Ghana (ECG) Private Sector Participation (PSP) Concession Agreement with Power Distribution Services (PDS) Ltd affected MiDA and the Compact II Program's image. Media coverage on the Compact II Program centered on the ECG PSP processes, with little publicity on the other Project activities.

For the above reason, though the Compact II Program had been ongoing for several years, there was the need for MiDA to step up information dissemination on its activities and re-establish its image as a responsible and reliable Accountable Entity, hence the need for the revision of the Compact II Communication Strategy.

The document received the MiDA Board's approval and guided MiDA's communication and outreach activities. Its implementation began on January 6, 2020.

The following provides an update on the implementation of the planned activities in the Compact II Communication Strategy for the period July to September, 2020.

2.4.2 Implementation of Activities

The following are activities successfully implemented during the reporting period. They are categorized under the strategies underpinning the Communication Plan.

1. Showcase Compact II Solutions:
 - Developed an Article which explained the Compact's contributions to improved Health Care in Ghana. It highlighted the critical role stable Power plays in the provision of quality health care in Ghana, including fighting the COVID-19 pandemic.
 - To support the Compact's COVID-19 response, a voice-over script for the TV Commercial was revised into a Documentary to highlight the interventions the Compact Program has provided to some health facilities.
 - A footage was shot as part of the process in the production of a Short Video on the Low Voltage Bifurcation (LVB) Works.
 - Commenced Infographics on the LV Bifurcation Works.
 - Distributed a Press Release, *Pokuase BSP Transformers Arrive on Site*, to the Media, and there were Media Interviews with Citi FM and UTV.
 - Commenced the process of developing Information, Education and Communication (IEC) materials for the Access Project.
2. Strengthen the Compact II Brand
 - Information Signages for the Kanda and Legon Primary Substations and Wall Branding for the construction of the GSA AC Test Facility, have been designed.
 - Reviewed and approved Designs and Specifications of branded items for the Third GPCIMP-Cohort 3.
3. Improve Stakeholder Relations:

- Following the First Quarter's Inaugural Meeting of the Compact Implementing Entities Communication Committee, whose mandate was to assist in ensuring effective and aligned communication on the Power Compact Program, including the LV Bifurcation Works, Members were updated on the status of the activity, and provided a schedule on planned Power Outages associated with the Works.
- Collaborated with the Ghana Standards Authority (GSA) to provide media coverage for the commencement of work on the GSA's AC Test Facility.

4. Summary of Media Activities

- In the First Quarter, 96 Media activities on the Compact were recorded, viz: Online, 42; Print, 11; Radio, 18; TV, 18; and Exclusive Interviews, 7.
- In the Second Quarter, 24 Media activities were recorded. 16 Online, one (1) Print, three (3) Radio, one (1) TV, and three (3) Exclusive Interviews for selected MiDA Spokespersons.
- A total of MiDA Website Visits had been recorded at the end of September 2020 compared to 119,565 recorded at the end of June 2020.

PART THREE: CHALLENGES

3.1 CRITICAL ISSUES

The support of Staff of the Implementing Entities is critical for the success of the Compact.

The COVID-19 pandemic has resulted in delays to Contract Deliverables because of travel restrictions imposed by most Governments. Key Staff of Works Contract and Consultancy Firms are not able to travel. Factory Acceptance Tests (FAT) have been delayed or deferred in some cases, resulting in delays to the delivery of Materials and Equipment. FATs to be carried out by Third Parties have also been affected by Lockdowns.

3.2 PROJECT-SPECIFIC CHALLENGES

3.2.1 Distribution Projects Challenges

The challenges that have hindered the achievement of Targets in relation to the Distribution Projects are as follows:

EFOT Project

IT Infrastructure

- Covid-19 restrictions delayed work and training of ECG Staff. The travel bans also prevented contractors from working for some period of time, and prevented participants of FAT from traveling.

PSS and ICC

- Travel restrictions and Lockdowns as a result of the Covid-19 pandemic and Relocation of GWCL Water pipeline & MV Cables at the Kanda Substation site. (Unforeseeable physical conditions caused delays to work on the Primary Substations and Interconnecting Circuits.

Pokuase BSP and ICC

- The extended closure of Borders by the Government of Ghana as a result of the COVID-19 pandemic delayed the installation of equipment and other Site work. FATs and shipment of Equipment expected from Manufacturers in Spain, Italy and India have been delayed. Alternative Plans and Actions are constantly being assessed, to manage the situation. The planned completion date of March 5, 2021 has been revised to June 2, 2021.
- The likelihood of Extension of Time (EOT) claims from the Contractors, due to the impact of COVID-19 and other factors (eg, Relocation Works for GWCL Water Pipelines along the Achimota-Airport-Kanda route of the ICC), versus the remaining run time of the Compact close out activities, up to Compact End Date (CED).

Kasoa BSP and ICC

- Siemens had informed MiDA at the beginning of the Project of the partial transfer of assets from Siemens SAS to Siemens Energy SAS with effect from 1 February 2020 and requested that the Kasoa BSP Contract be assigned to the new entity, Siemens

Energy SAS. As at the end of September 2020, MiDA and Siemens had not completed processes towards the transfer of the Kasoa BSP Contract from Siemens SAS to Siemens Energy SAS. Consequently, Siemens had not submitted any invoice for works executed up to the end of September 2020. This development has delayed opening of Permanent Establishment in Accra and could affect Contractor's cash flow going forward.

- Siemens had alerted hard rock findings from geological report at the Thrustboring and HV Cable Gallery across the major highway, which would likely impact time schedule and cost. Technical meetings are being organized to find mitigation to the issue

LV Bifurcation

- Achimota Work Order:
 - The Voters' Registration exercise conducted in August 2020 in Ghana resulted in the suspension of planned power outages by ECG. This prevented the Contractor from carrying out activities that require outages (e.g. reconductoring works) which negatively affected overall progress of the project.
 - Reports of theft of retired materials & equipment by members of the general public.
 - Rocky terrain at several locations has significantly reduced the pace of pole planting.
- Dansoman & Kaneshie Work Order:
 - The Corona Virus pandemic negatively impacted on manufacturing, shipment and delivery of materials and equipment.
 - Due to the nature of the areas where the works are being implemented, grievances may arise from time to time.
- Mampong Work Order:
 - Hard rocks and extensive vegetation encountered by the Contractor during excavation for pole planting and overhead line stringing at most of the project locations. This has significantly slowed down the pace of construction works.
 - RAP issues associated with the installation of poles, transformers, earthing equipment, etc.
 - Delayed commissioning of transformers by ECG due to unavailability of ECG Testing Team.
 - The Voters' Registration exercise conducted in August 2020 in Ghana resulted in the suspension of planned power outages by ECG. This prevented the Contractors from carrying out activities that require outages (e.g. reconductoring works) which negatively affected overall progress of the project
- Institutionalizing Gender responsiveness in ECG
 - COVID-19 restrictions have prevented many of the Energy organizations from offering placements in their organizations for the Interns to get practical experience;
 - GPCIMP alumni placed with the Energy Organizations for national service were also turned back because of COVID-19 restriction.

- Access Project
 - Given a 12-month timeline for the completion of Infrastructure upgrades, project implementation must now be carried out within a strict timeline without any float. To mitigate risk, the Contractor would be required to deploy adequate number of Staff, execute the work in all Markets concurrently, and to undertake majority of the work at night and outside business hours.

3.2.2 Generation Projects Challenges

The RPP, which is the only outstanding Consultancy Contract under the RSCB Project has been put on hold because of the current COVID-19 restrictions. MiDA, MCC and NARUC are in discussions to resume the remaining activities under the Consultancy Services.

The specific impact on the EEDSM Project Activities are as follows.

- Since commencement of the Works Phase, the Contractors have noticed a lot of damage to existing Street Lighting underground cables and control cubicles. These underground cables are being replaced and the control cubicles rehabilitated out of their existing stock allocation in their contract for other roads/streets.
- The Energy Commission delayed in its review of the Draft Legislative Instruments (LIs) for Lots 2 and 3 Products. The Energy Commission Technical Committee has completed review of Lot 2 LIs. The Energy Commission Board is yet to review Lot 2 LIs. Lot 1 LIs are yet to be laid in Parliament.

3.2.3 Cross-Cutting Projects

Communications and Outreach

- The COVID-19 pandemic prevented MiDA from carrying out planned Media Site Visits, and the Groundbreaking Ceremony for the Kasoa Project.

Monitoring and Evaluation and Economics

- The need for a COVID-19 Mitigation Plan from the Household and Enterprise Survey Consultant is a potential to delay the October 2020 start date of in-person Listing.

Environmental and Social Performance

- Construction of block of flats at Kanda - The 10 month construction period from October 2020 August 2021 is a major risk. Delays to completing the construction of the flats could affect the completion timeline of the PSS.
- Resettlement and Community Engagement Issues - Linear Infrastructure projects i.e. interconnecting lines to BSP and PSS and the LV Projects are implemented along the existing utility corridors in built-up areas. Grievances related to siting of the infrastructure close to residences and businesses and health and safety concerns from the communities will come up from time to time during the project implementation. MiDA and its Consultants will continue to engage the communities and other stakeholders to manage these issues to avoid or minimize delays.
- Community and Occupational Health and Safety - MiDA has recorded some major health and safety incidents on the LV Projects and the Pokuase ICC Projects. MiDA will work with the Supervisory Engineer to enforce the contractual HSE measures and requirements on the projects to avoid the occurrence of such incidents.

PART FOUR: FORWARD LOOK

The following have been planned for completion in the next Quarter, October-December, 2020.

4.1 ECG FINANCIAL AND OPERATIONAL TURNAROUND PROJECT

Modernizing Utility Operations Activity

Geographic Information System (GIS)

- Go-Live with at least two (2) ECG Districts.
- Aerial Image post-processing, Position validation and Attribute validation.

Institutionalizing Gender responsiveness in ECG

- Capacity enhancement for ECG GSI Unit and Female Employee Association
- MOU with WiSTEM and with ECG WinE for GPCIMP will be signed
- Mentoring for GPCIMP graduates and other graduates doing National Service in the Energy Organizations.
- The Sustainability Strategy and Implementation Plan will be finalized.

Technical Loss Reduction Activity

PSS and ICC

- Complete Earthworks (for the substation area) for Kanda and Legon Primary Substations and continue Construction works for Interconnecting & Offloading Circuits.
- Continue manufacturing, Factory Acceptance Tests and delivery of materials and equipment to sites.

Pokuase BSP & ICC

- Complete Earthworks, GRIDCo and ECG Control Buildings, and Equipment Foundations.
- Complete FAT for the remaining major Plant and Equipment.
- Continue with work on Internal Drainage, Cable Trenches and installation of Steel Structures.
- Continue construction of Single Cell Culvert under Accra - Kumasi Road Direction.
- Continue Thrust Boring.
- Deliver OPGW and UGFOC to Site.

Kasoa BSP and ICC

- Airlift to Accra the first set of materials (anchor bolts and templates), clear and deliver to Site in October 2020.
- FATs for the following major equipment scheduled to commence and complete in October 2020:
 - 33 kV GIS: Oct 1 & 2
 - Power Transformer #1
 - Power transformer #2
 - Power Transformer #3
 - 161 kV GIS

- Continue Secondary Designs for Civil, Electrical and Electro-Mechanical Equipment
- Review Manufacturer's Designs and Specifications for major and long lead Electrical and Electro-Mechanical Equipment.
- Complete FATs for all major equipment.
- Continue with construction of GRIDCo and ECG Control Buildings, Equipment Foundations, and Fence wall.
- LV Bifurcation and Network Improvement (Achimota, Dansoman, Kaneshie, and Mampong Work Orders)
- Pole planting.
- Overhead Line stringing and Conductor replacement.
- Laying of Underground Cables.
- Installation and commissioning of Transformers, Distribution Pillars and RMUs.
- Retiring of old Poles, Transformers, Conductors and Pole-top Accessories.

Commercial Loss Reduction

Implementation of a Meter Management System (MMS)

- Receive shipment of all MMS Equipment from South Africa
- Complete installation of equipment at two (2) Data Centers, two (2) Regional Offices, and 40 Vending Stations
- Complete a Site Acceptance Test (SAT)

4.2 REGULATORY STRENGTHENING AND CAPACITY BUILDING PROJECT

- Continue planning to resume the following activities in a virtual mode:
- Peer Review on Performance Monitoring & Quality of Service.
- Job Shadow on Technical Monitoring and Quality of Service.

4.3 ACCESS PROJECT

- Contractor to complete specific on-site plans/reports, and the Procurement Plan. Contractor to place orders for equipment and commence Pre-Construction Survey in selected M&EEs.
- Complete the Customer Information and Outreach Programme (CIOP) Activity and the Customer Census Activity in all 10 M&EEs.

4.4 ENERGY EFFICIENCY AND DEMAND-SIDE MANAGEMENT PROJECT

Development and Enforcement of Standards and Labels

- Liaise with the EC and Attorney-General's (A-G's) Department and the Minister of Energy to submit drafted LIs on Lot 1 Electrical Products to the PCSL.
- Liaise with the Energy Commission Board and AG's Department to commence the review of the drafted LIs on Standards for Lot 2 Electrical Products (i.e. upgrade/revision of Standards for Solar Panels, Batteries, Inverters, Distribution Transformers and Pre-paid Energy Meters) and Lot 3 Electrical Products (Microwaves, Washing Machines, Computers and Standing Fans).
- Complete the drafting of LIs on Standards for the Lot 4 Electrical Products (Blender, Electric Water Heater, Rice cooker and Kettle).
- Hold a virtual Technology Transfer Workshop, and receive Final Overall Completion Report for the FMMS Consultancy Services.
- Complete the construction of the AC Test Laboratory Containment Building

Improved Energy Auditing

- Commence and complete the RTRR Works Implementation Phase for the Ghana Education Service (GES) Main Building.
- The three (3) SESCOs will conduct Energy Audit pilots and prepare various reports, i.e. Walk-Through Audits, Investment Grade Energy Audits, Implementation Plans, M&V Plans, Financial Plans, Tender Documents etc. under the guidance of the Consultant.
- Conduct a pilot delivery SE Training under the guidance of the Consultant.
- Inaugurate the three (3) Tertiary Institutions to host the Sustainable Energy Services Centers (SESCs).
- Commence the procurement process for the Mobile Test Instruments for the three Sustainable Energy Services Centers (SESCs).

Education and Public Information

- Develop the Training Manuals and PowerPoint Presentation Manuals.
- Conduct Trial Test of Energy Efficiency and Conservation Curriculum Materials (including Teaching and Learning Materials) in the 30 Pilot Pre-Tertiary Schools.
- Conduct Training for selected Teachers and Administrators from the 30 selected Pilot Schools in the Northern, Middle and Southern Zones.

DSM Activity

- Continue with the Works Phase of the Street Lighting Replacement Works.

4.5 ENVIRONMENT AND SOCIAL PROTECTION

- Develop and Implement RAP to relocate PAPs at the Kasoa 161 kV to allow access to the installations works by the contractor. Monitor implementation of HSE issues of infrastructure projects including Covid-19 risk mitigation measures to safeguard the projects. Monitor construction of the block of flats at Kanda to ensure completion within the contractual timelines.

4.6 GENDER AND SOCIAL INCLUSION

- Continue monitoring SGIAP implementation.
- Updated Social and Gender Integration Plan will be submitted for MCC "No Objection".
- Continue support to all Projects and Cross Cutting Activities to ensure compliance with all GSI requirements.
- Virtual Women in Energy Conference (WIEC) II will be organized in November.

4.7 MONITORING AND EVALUATION AND ECONOMICS

- Commence the last round of Data Quality Audit Consultancy - obtain Kick-Off Meeting Notes, Inception Report, and complete the Data Collection Phase.
- Deploy GridWatch Devices to measure Outages in Mampong.
- MCC/MiDA to approve the Final COVID-19 Mitigation Plan to allow Consultant to commence Listing.
- Finalize Listing Data Collection Instruments and Interviewer Manuals based on the

Telephone mode of data collection.

- Train Supervisors and Enumerators on Listing Instrument, Pre-Test the instrument, conduct Pilot-Listing and actual Listing of Households, Enterprises and Transformers.
- Revise translated and programmed Survey Data Collection Instrument based on the Telephone mode of data collection.
- Obtain Certification of Ghana Health Service (GHS) approval of the amended Survey Protocols due to the change in the Survey Data Collection mode from CAPI (In-person) to CATI (Telephone).

4.8 COMMUNICATIONS AND OUTREACH

ECG IT Projects

- Develop Information Education and Communication materials
- Produce short Video
- Launch GIS Go-Live
- Facilitate Radio and TV Interviews

Kasoa BSP

- Production of a short Video
- Develop Infographics
- Publish Press Advertorial
- Facilitate Media Briefing/Site Visit
- Publish on Social Media
- Publish Feature Article

Pokuase BSP

- Produce a short Video

Primary Substation

- Develop Factsheets and Infographics
- Publish Media Advertorial publication
- Develop Features and Editorials
- Develop Project Infomercial
- Publish on Social Media
- Facilitate Media Site Visits

LV Bifurcation

- Develop Project Factsheets, infographics and Backgrounders
- Publish Media Advertorial
- Produce a short Video
- Publish short Video on Social Media and other approved Media channels
- Facilitate Public Service Announcement and Live Presenter Mentions
- Carry out Stakeholder Engagements and Outreach.

Race-to-Retrofit

- Production of Project short video
- Develop Media Release on Project Closure
- Publish on Social Media.

Street Lighting

- Produce and publish of Project Infomercial
- Develop Street Lighting Infographics
- Publish on Social Media
- Publish Project Advertorial
- Facilitate Media Briefing.

PART FIVE: CONCLUSION AND RECOMMENDATIONS

5.1 CONCLUSION

In the period under review, significant progress was made in completing the outstanding procurement of Service Providers for the Compact Activities. The implementation of contracts that have already been awarded also progressed steadily until travel restrictions imposed by countries and Corporate Entities in the wake of the COVID-19 pandemic, slowed down implementation of Project activities.

With the easing of the restrictions, work on the various Projects have been escalated to make up for delays.

5.2 RECOMMENDATIONS

The following are recommendations to ensure the smooth closure of Compact Activities.

1. Notwithstanding the effort being made to complete all the planned Activities before the Compact End Date of September 6, 2021, there is the need to plan towards GoG providing funding for Infrastructure works that may not be completed.
2. The Defects Notification Period of some of the major Infrastructure works will extend beyond the Compact Completion Date. Therefore, there is the need for GoG to provide funding for MiDA Staff who have to remain at post during this period.
3. Make provision for GoG funding for the implementation of the Post-Compact M&E Plan.

PART SIX: REPORTING MATRIX

Programmes & Sub-Programmes	Activities (Operations)	Baseline	Targets for the 3 rd Quarter of 2020	Actual Results	Output Indicators	Means of Verification	Challenges	Mitigation Measures
Ghana Power Compact Program: ECG Financial and Operational Turnaround	Modernizing Utility Operations Activity	N/A	N/A	GIS Implementation is 73% complete as against 84% planned completion. Delivery of aerial imagery is behind schedule. The service provider has indicated that images will be delivered by 15th August 2020	GIS-based distribution management system in place	GIS Consultant's Report	Gaps in the Data received from ECG Dependency on. The Activity currently depends on ECG resources to perform the Field Validation 12 Districts	MiDA has requested ECG Management to commit to the provision of the necessary resources.
		N/A	N/A	Activity has been de-scoped. It will no longer take under the Compact.	Enterprise Resource Planning System in place	ERP Consultant's Report	None- Activity on track	
		0	250	- 180 qualified students have their capacities enhanced - 217 females have been selected for the Mentoring Program. - As a result of COVID-19 there will be no internship placements this year.	Number of females participating in STEM Internship and Mentoring Program	Program Records	None- Activity on track	
	Technical Loss Reduction Activity	0 (2016)	1102.52	Progress made on the LV Bifurcation & network Improvement works is as follows; Achimota (64%), Kaneshie & Dansoman (51%) and Mampong (79%).	Kilometers of distribution lines upgraded or built	EFOT Project Report	None- Activity on track	
		0 (2016)	0	Kanda and UGTH Primary Substations (PSS) works are 28% complete	Distribution substation capacity added	EFOT Project Report	None- Activity on track	

				. LV Bifurcation and BSP Works are steadily progressing.				
		0 (2016)	0	The Pokuase BSP project is 71% complete while the Kasoa BSP has an overall progress of 56%.	Number of Bulk supply points (BSPs)	EFOT Project Report	None- Activity on track	
		0 (2016)	0	Kanda and UGTH Primary Substations Interconnecting circuits has achieved an overall progress completion status of 15% while the BSP Sub-Transmission-ICC works has an overall progress completion status of 23%	Kilometers of interconnecting sub-transmission lines (33kV)	EFOT Project Report	None- Activity on track	
	Commercial Loss Reduction Activity	0 (2016)	N/A	Meter management system is 50% complete. The AMI Metering and STS metering are both 99% complete.	A standard Meter management system in place	Operational Acceptance Criteria	COVID-19 has affected one Application that is from China – Testing the Meters in China is a challenge/	The Contractor, Siemens, exploring avenues to test the meters in alternative locations
	Outage Reduction Activity	N/A	N/A	Activity has been de-scoped. It will no longer take under the Compact.	Outage management system in place	Program Records	None- Activity on track	
RSCB Project:	Tariff Review and Regulatory Activity	0	0	Q1 2020 Report on Peer Review of Tariff Methodology was reviewed and approved.	Number of training participants	Regulatory Program Partnership Report	COVID-19 pandemic has delayed the planned Training.	
Access Project: Infrastructure Activity		0	N/A	Contract signed on August 14 .	Transformer capacity installed	Supervision Consultant's Periodic Reports	None- Activity on track	
		0	N/A	Contract signed on August 14.	Length of secondary LV ABC cables installed	Supervision Consultant's Periodic Reports	None- Activity on track	
		0	N/A	Contract signed on August 14. .	Number of pole mounted prepayment meters	Supervision Consultant's Periodic Reports	None- Activity on track	
		0	N/A	Contract signed on August 14.	Number of security lights installed	Supervision Consultant's	None- Activity on track	

						Periodic Reports		
Access Project: Social Inclusiveness & Improved Partnerships Activity		0	TBD (after Census)	Customer Census Plan and draft Questionnaire for Census in M&EEs completed.	Number of customers assisted through outreach for electricity connection	Supervision Consultant's Periodic Reports	None- Activity on track	
		N/A	N/A	Sub-activity scrapped.	Security Light Agreement (MOU) signed	Institutional Assessment & Engagement Consultant Periodic Reports	None- Activity on track	
EEDSM Project: Development and Enforcement of Standards and Labels Activity		0	15	20	Number of products with standards developed	Project Report	None- Activity on track	
		0	15	5	Number of products with legislative instruments drafted	Project Report	None- Activity on track	
		0 (2016)	0	0	Number of products with LIs on standards passed in Parliament	Project Report	None- Activity on track	
		0 (2016)	N/A	0	Number of appliance test labs established	Project Report	None- Activity on track	
EEDSM Project: Improved Energy Auditing		0 (2016)	7	7	Number of institutions participating in race to retrofits and renewables	Project Report	None- Activity on track	
		0 (2016)	18	26	Number of SESCOs trainers trained in energy auditing	Project Report	None- Activity on track	
		0	N/A	0	Number of sustainable energy services centers (SESCs) established	Project Report	None- Activity on track	
EEDSM Project: Education and Public Information Activity		0 (2016)	TBD	0	Number of unique public education outreach on energy efficiency	Project Report	None- Activity on track	
		0	48	0	Number of teachers trained on energy	Project Report	None- Activity on track	

					efficiency and conservation curriculum			
		0 (2016)	5,000	0	Number of students reached through energy efficiency and conservation curriculum	Project Report	None- Activity on track	
EEDSM Project: DSM Infrastructure Activity		0 (2016)	11,305	0	Number of poles constructed	Project Report	None- Activity on track	
		0	14,558	0	Number of LED lights installed	Project Report	None- Activity on track	