



Millennium Challenge Account - Senegal II

Monitoring and Evaluation Plan

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PREAMBLE

This Monitoring and Evaluation (M&E) Plan:

- is an extension of the Preliminary M&E Plan included in the Senegal Power Compact signed on December 10, 2018, between the United States of America, acting through the Millennium Challenge Corporation (MCC), a United States Government corporation, and the Government of the Republic of Senegal, acting through its Ministry of Economy, Finance and Planning.
- will support provisions described in the Compact; and
- is governed by and follows the principles stipulated in the *Policy for Monitoring and Evaluation of Compacts and Threshold Programs* (MCC M&E Policy).

This M&E Plan is considered a binding document, and failure to comply with its stipulations could result in suspension of disbursements. It may be modified or amended as necessary following the MCC M&E Policy, and if it is consistent with the requirements of the Compact and any other relevant supplemental legal documents.

LIST OF ACRONYMS

ANSD	Agence Nationale de la Statistique et de la Démographie (National Statistics and Demography Agency)
APIX	Agence pour la Promotion des Investissements et des grands travaux (National Agency for the Promotion of Investments and Major Projects)
ASER	Agence Sénégalaise d'Électrification Rurale (Senegalese Rural Electrification Agency)
BT	Basse Tension (Low Voltage)
BART	Bureau d'Accès des Tiers au réseau (Bureau for Third Party Network Access)
CBA	Cost-Benefit Analysis
CEP	Cellule d'étude et de Planification (Studies and Planning Unit)
CER	Concessionnaire d'électrification rurale (Rural Electrification Concessionaire)
CMMS	Computerized Maintenance Management System
CRSE	Commission de Régulation du Secteur de l'Électricité (Electricity Sector Regulatory Commission)
CP	Condition Precedent
CS	Conseil de Surveillance of MCA-Senegal II (Board of Directors)
DANQS	Direction Analyse Normalisation Qualité de Service (Department of Analysis Standardization Service Quality)
DEEC	Direction de l'Environnement et des Etablissements Classés (Department of the Environment and Protected Areas)
DEG	Direction des Etudes Générales (General Studies Department)
DESA	Direction de l'Exploitation Système et des Achats (Department of System Operation and Energy Purchases)
DPR	Direction Principale des Réseaux (Lead Department of Networks)
DQR	Data Quality Review
DSR	Direction de la Stratégie et de la Réglementation (Strategy and regulation department)
EMS	Energy Management System
ERIL	Électrification Rural d'Initiative Local (Local Electrification Initiative)
ERR	Economic Rate of Return
ESP	Environment and Social Performance
FSE	Fond de Soutien à l'Énergie (Energy Support Fund)
GIE	Groupe d'Intérêt Économique (Economic Interest Group)
GIS	Geographic Information System
GoS	Government of Senegal
GPF	Groupe de Promotion Féminine (Women's Promotion Group)
GWh	Gigawatt hours
HV	High Voltage
IPP	Independent Power Producer
ITT	Indicator Tracking Table
IDMS	Integrated Database Management System
kV	kilovolt
kWh	Kilo watt hour

LV	Low Voltage
M&E	Monitoring and Evaluation
MCA	Millennium Challenge Account – Senegal II
MCC	Millennium Challenge Corporation
MIS	Management Information System
MOSES	Management Oversight Social and Environmental Support
MPE	Ministry of Petrol & Energy
MV	Medium Voltage
MVA	Megavolt amperes
MW	Megawatt
MWh	Megawatt hour
NPV	Net present value
PIMC	Plan Intégré à Moindre Coût (Least-Cost Integrated Investment Plan)
PPP	Public Private Partnership
PSP	Private Sector Participation
PSE	Plan Sénégal Émergent (Senegal National Development Plan)
QDRP	Quarterly Disbursement Request Package
RMA	Revenu Maximum Autorisé (Maximum Income Allowed)
SAIDI	System Average Interruption Duration Index
SAIFI	System Average Interruption Frequency Index
Senelec	Senegal National Electricity Company
GIS	Système d’Information de la Production (Generation Information System)
SIR	Système d’Information Réseau (Network Information System)
TSO	Transmission System Operator
HV	High Voltage

INTRODUCTION

This Monitoring and Evaluation Plan (M&E Plan) serves as a detailed framework for assessing progress towards and achievement of the Senegal Power Compact's project objectives. The M&E Plan is used in conjunction with other documents such as work plans, Procurement and Grant Plan Packages, and financial plans to provide oversight for program implementation and to strive to ensure the program is on track to achieve its intended results. The M&E Plan also serves as a communications tool, so that Millennium Challenge Account – Senegal II (MCA-Senegal II) staff and other stakeholders clearly understand the results MCA Senegal II is responsible for achieving.

This M&E Plan is a management tool that provides the following functions:

- *Describes the expected results.* The plan presents the program description, project logics, and economic analysis, including the results that need to be measured under the M&E Plan.
- *Establishes a monitoring framework.* The plan identifies the monitoring and data quality assessment strategies and documents the reporting plan to monitor progress against targets during program implementation.
- *Describes the evaluation plan.* The plan identifies evaluations that will be conducted and presents the plan for each including the evaluation questions, methodologies, and data collection strategies that will be employed.
- *Documents all M&E indicators to measure expected results.* The plan documents all indicators, including their baselines, targets, and data sources to assess program progress, and changes to indicators over time.
- *Includes roles and responsibilities.* The plan includes a description of the roles and responsibilities for the implementation and management of M&E activities.

PROGRAM AND OBJECTIVE OVERVIEW

Program Background

Senegal is a country in West Africa bordering the Atlantic Ocean in the west, Mauritania in the north and north-east, Mali in the south and south-east, and Guinea and Guinea Bissau in the south. It surrounds most of The Gambia, an English-speaking country with the smallest surface area on the continent.

The population was estimated at 16,209,125 inhabitants in 2019, 50.22% of which were women. It was expected to reach 16,705,608 inhabitants in 2020 (ANSD,¹ 2021). The population is unevenly distributed. The capital Dakar accounts for 23% of the total population but only 0.3% of the country's total surface area.

Senegal is a developing country. In 2019, it ranked 33rd in Africa and 166th globally on the human development index (UNDP,² 2019). The poverty rate was 46.7% according to the last estimates of the 2011 poverty survey compared to 37.8% in 2019 (ANSD, 2020). It was estimated at 67.9% in 1994-1995 (ESAM³ I) and 57.1% in 2001-2002 (ESAM II). Despite this growth, there are disparities between urban and rural areas, men and women and the youth. Rural poverty is 57.3% compared to 41.2% in urban areas and 26.1% in Dakar.

Between 2014 and 2019, Senegal recorded economic growth rates consistently exceeding 5%. Good prospects were expected for 2020/2021 were it not for the COVID-19 pandemic that considerably altered growth projections to 1.3% for 2020 (World Bank, 2020).

To support poverty reduction, Senegal was granted a first Compact, signed in 2009 and implemented between 2010 and 2015, which focused on the agricultural, land, and transportation sectors with two major projects: (1) roads rehabilitation and (2) irrigation and water resource management. Strategic investments were implemented in the Casamance and the Senegal River Valley to reinforce the road network and key irrigation systems respectively. The first Compact was designed to boost economic activity, specifically agricultural productivity, and increase incomes of the target beneficiaries by establishing support policies and administrative systems to consolidate results. It was expected to increase the income of 1.5 million Senegalese by a total of \$720 million over a 20-year period. The independent evaluation reports are accessible online on [MCC's evaluation catalog](#).

After the completion of the Compact in September 2015, Senegal became eligible to develop a second Compact in December 2015 based on the sustained positive performance in the policy areas measured by MCC's scorecard, including good governance, economic freedom, and investment in human capital, as well as the strength of the performance of the first Compact.

The Constraints Analysis, conducted in June to November 2016 through a participatory process

¹ ANSD (Senegal National Statistics and Demographic Agency): www.ansd.sn

² 2019 African countries ranking according to UNDP HDI (United Nations Development Program)

³ ESAM: Senegalese Households Survey is a nation-wide survey on households' consumption and expenses. The first survey was conducted in 1994/1995 (ESAM I) and covered a sample of 3,300 households. The second one (ESAM II) was conducted in 2001/2002 and covered 6,600 households across the country and representing all walks of life of the country.

based on evidence and collection of qualitative data, identified two major constraints related to private investment. These include:

- **High Cost of Energy:** The high cost of electricity to grid-connected firms, low access to electricity outside of Dakar, and to a lesser extent, the unreliability of electricity reduces firms' cost-effectiveness by increasing costs and uncertainty of production.
- **Distortive Business Policy Environment:** Complex and burdensome administrative, regulatory, and legal barriers reduce foreign firms' profitability and competitiveness by raising the cost of inputs and increasing costs of regulatory compliance. Domestic firms are incentivized to remain small and unproductive rather than upgrading to more sophisticated modes of production.

After the validation of two concept notes, the Government of Senegal (GoS or "the Government") and MCC decided to focus the Compact on the electricity sector. On December 10, 2018, the MCC Board of Directors approved the Compact, otherwise known as the MCC Senegal Power Compact, which entered into force on September 9, 2021. The five-year Compact is comprised of a \$550 million grant investment from the United States Government, along with a \$50 million supplemental investment from the Senegalese government for a total of \$600 million.

The Compact has three projects listed below. For each project, a logic diagram is developed to illustrate how the project's interventions work together to achieve the project Objective, detailing all expected intermediate results along the way.

- The Modernizing and Strengthening of Senelec Transmission Network Project (Transmission Project).
- The Improving Electricity Access in Rural and Peri-urban Areas Project (Access Project); and
- The Power Sector Enabling Environment and Capacity Development Project (Reform Project).

Project Logics

The root cause analysis, conducted in the second phase of the Compact development process, from November 2016 to March 2017, through a participatory approach involving over 120 public and private sector actors, international development donors, and civil society organizations, identified the following problems:

- **High costs of Senelec's electricity service:** Senegal's electricity cost is among the highest compared to countries with similar incomes. This situation is attributable to (i) high generation costs due to the dependence on imported heavy fuel oil (HFO) and (ii) the poor conditions of generation assets, which are mainly thermal with high operating costs. In addition, the consumer tariff does not reflect the cost of service. The Government compensates the difference between consumer and actual tariffs, which is a heavy burden on public finances.

- **The access strategy in rural and peri urban areas is not optimized:** There are major disparities between rural and urban areas' access to electricity. Weak regulation and high connection costs in rural areas and the absence of control over urban development are the principal reasons. This situation leads to low electrification rates in rural and peri urban areas. In 2017, the electrification rate in rural areas was estimated at 40% against over 90% in Dakar and 67.9% nationally. Through the *Plan Sénégal Emergent*, the GoS targets universal access by 2025.
- **Expenses in alternative energy sources are necessary:** Low service quality results in frequent power outages on the transmission and distribution networks. To address these concerns, businesses and households resort to alternative energy sources (e.g., generators), the costs of which may be higher than those of electricity from the public utility.
- **The institutional and regulatory framework has weaknesses that do not favor private investment:** The regulatory environment is mainly characterized by limited capacities of the regulator and a legal framework that does not favor private investment. Limited funding constrains the development of new infrastructure.

The following sections describe how each of the Compact's projects contribute to addressing the energy constraint to economic growth.

The Transmission Project Description and Logic

Transmission Project Objective is to provide quality electricity from the lowest cost sources available to Senelec to meet the growing demand on the interconnected network in Senegal.

The problems this Project addresses are the following. Senelec's costs to generate and deliver electricity are high, driven by the high cost of generation and an inefficient and unreliable network. These costs are eventually passed on to consumers either through tariffs, government subsidies to Senelec, which present a financial burden on the Government of Senegal, or losses to firms and households due to network incidents.

The Transmission Project addresses the constraints of (1) Senelec's high cost of electricity service and (2) low electricity service quality leading to customer expenses in alternative energy sources. The Transmission Project Charter⁴ notes the following issues related to the transmission network:

- **Poor transmission network coverage** that is attributable to:
 - The dependence on limited public funding for transmission network projects and the slowness in the implementation of sub-regional projects due to political constraints.
 - Lack of physical space for Senelec to build high voltage (HV) lines or substations serving customers. Securing land for future electricity facilities is often neglected when new residential neighborhoods are developed.

⁴ Project Charters serve as key, foundational documents that support project leads in ensuring team buy-in and authorization for projects, guidance to support onboarding new team members or consultants, and reference document during scope request changes and management meetings.

- Poor network quality:

- Incidents on the transmission and distribution networks account for most non- distributed energy.
- The low coverage of the transmission network has particularly weakened the safety of the electric system operation. The minimal security rule n-1 is rarely respected for most electric facilities because of insufficient preventive maintenance.
- Voltage and frequency stability causing power outages force businesses to have their own generation sources, even if those are more costly than electricity from Senelec.

To address the identified root causes, the Project shall support ongoing efforts by Senelec to develop a reliable high-voltage transmission network in and around greater Dakar, which accounts for roughly 60 percent of the nation's electricity demand and 20 percent of its population. This is necessary for Senegal to effectively capitalize on private sector-led investment in generation and to ensure that electricity is reliably delivered to consumers. This is particularly important since much of the private sector interest in the sector is focused on new, lower-cost generation projects, including wind, solar, and natural gas, which depend heavily on a reliable, stable transmission network.

The Transmission Project includes the three following activities:

1) Transmission Network Build-out Activity

This Activity seeks to reduce the congestion of overused electricity lines and substations in the Dakar peninsula. It aims to ensure the security and reliability of electricity supply to the Dakar peninsula, while guaranteeing long-term demand, through the construction of a 225 kilovolt (kV) transmission line loop and related infrastructure. MCC and the Government identified and agreed on specific components under this Activity through an assessment of the optimum transmission network configuration and development of an investment plan. This Activity is anticipated to include final design and construction of the following:

- A. a second, approximately 22 km, 225 kV underground circuit between Kounoune and Patted'Oie, along with related conduits and manholes.
- B. an underground, 225 kV, double circuit between Kounoune and Cap des Biches of approximately seven km in length, an extension of the existing 225 kV gas-insulated substation at Kounoune, as well as installation of two new 150 megavolt amperes (MVA) 225/90 kV transformers⁵, and a gas-insulated substation, including busbars and six feeders plus space for four future feeders, at Cap des Biches substation.
- C. a 16 km, 225 kV, undersea cable, between Cap des Biches and Rive Bel Air, and a 225 kV underground, double circuit of approximately two km in length from Rive Bel Air to Centrale Bel Air. The substation improvements shall include two new 150 MVA 225/90kV

⁵ The Project team now (as of the initial M&E plan) expects the new transformers at Cap des Biches and Bel Air will be 200 MVA each rather than 150 MVA. This change is based on load flow analyses that MCC due diligence consultants conducted in 2019 after Compact signature.

transformers⁶, new 225kV gas-insulated substations, with feeders and switches, grounding equipment, and control equipment, as well as a second 90kV gas-insulated substation as an extension of the existing 90 kV one at Centrale Bel Air.

The final configuration of the network for this Activity will be determined and approved in the final design.

These activities will enable Senegal to fully take advantage of the private sector investments in the electricity generation and to ensure reliable electricity supply to consumers in Dakar.

With the Compact entry into force in Quarter (Q) 3 of 2021 and expected finalization of design studies in Q1 of 2022, the contract for the engineering-construction firm under the Transmission Project is expected to start in Q4 of 2022. Completion dates are expected in Q2 of 2024, Q4 of 2024 and Q1 of 2025 respectively for the installation of underground lines, substations, including demolition works, and installation of undersea lines. It should be noted that the current Cost- Benefit Analysis (CBA) assumed the commissioning of the Kounoune – Patte-d’Oie section (Phase 1) in 2023.

2024 Update: According to the project’s current work plan, completion dates are expected in Q2 of 2025, Q3 of 2025 and Q3 of 2025 respectively for the installation of underground lines, substations, including demolition works, and installation of undersea lines. To deal with potential underloading of subsea cables, the Activity now includes one 20 megavolt-amps reactive (Mvar) shunt reactor at the Diass sub-station and two Mvar shunt reactors at the Tobène sub-station.

2) Transformer Replacement Program Activity

This Activity aims to address grid reliability and electricity quality considering growing electricity demand resulting from increased electricity access and Senegal’s strong economic growth. Specifically, the Activity includes support for an existing transformer replacement initiative on the high- and medium-voltage networks by upgrading or replacing critical transformers at Touba, Diass, Hann, and Aéroport substations. In conjunction with investments under the Transmission Network Build-out Activity, these upgraded or replaced transformers are intended to strengthen Senegal’s transmission network to facilitate further extension of the interconnected electrical grid under the Access Project, as well as future grid extension investments by the Government or others.⁶

Specifically, the Activity consists of the:

- A. Addition of an 80 MVA 90/30 kV power transformer to the Hann substation.
- B. Addition of an 80 MVA 90/30 kV power transformer to the Léopold Sédar Senghor (LSS) Airport substation; 2024 Update: The Project will replace both existing 40 MVA transformers to 80 MVA.
- C. Addition of an 80 MVA 225/30 kV power transformer to the Touba substation; and

⁶ Any possible connection between this Activity and the Access Project is not reflected in the project logics. Compact M&E staff understands these investments will occur in different geographic localities. Therefore, it does not see a logical link between the two.

- D. Replacement of two 40 MVA 225/30 kV power transformers in Diass by 80 MVA and addition of a new 80 MVA power transformer.

Construction is expected to begin in Q4 of 2022 and conclude in Q4 of 2025 for commissioning two months later. The CBA model assumed the implementation of the first transformer in 2022 (LSS Airport substation).

2024 Update: According to the current work plan, construction is expected to begin in Q1 of 2023 and conclude in Q4 of 2025.

3) Grid Stabilization Activity

This Activity aims to support the sustainability of the Transmission Project and the optimal performance of Senegal's transmission network through the addition of operating⁷ reserves to address network stability issues. This is anticipated to include a combination of network management improvements and batteries for energy storage sufficient to guarantee operating reserve capacity. This is expected to ensure network stability during frequency excursion scenarios and to mitigate issues with intermittent energy sources.

In addition to activities funded by other financial and technical partners, specifically AFD (Agence Française de Développement), KfW (Kreditanstalt für Wiederaufbau), WB (World Bank), Africa REN, ERS (Energy Resources SENEGAL) and Lekela that will support Senelec, MCC will support the following activities:

- A. Establishment of remote load shedding system to mitigate the impact of major network events such as the loss of Sendou (125 MW), Karpowership (235 MW), Contour Global (95 MW), and the future IPP station of Cap des Biches (300 MW); 2024 update: The January 2024 compact modification removed this investment from the compact.
- B. Commissioning of storage batteries of a minimal capacity of 80MW-80MWh, specifically for ancillary services of frequency setting (primary reserve) and mitigation of intermittent energy sources (In light of potential private sector interest in investing in battery storage and the opportunity to leverage available MCC funding and the Government contribution to obtain sufficient operating reserve capacity through battery storage, MCC and the Government agreed to explore the possibility of structuring a public private partnership (PPP) to implement the battery storage component of this Activity; provided that if a PPP is not possible MCC and the Government shall identify and implement an alternative combination of interventions to ensure the availability of sufficient operating reserves); and 2024 update: The January 2024 compact modification removed this investment from the compact.
- C. A second 225 kV underground circuit to connect Taiba Ndiaye wind farm to the

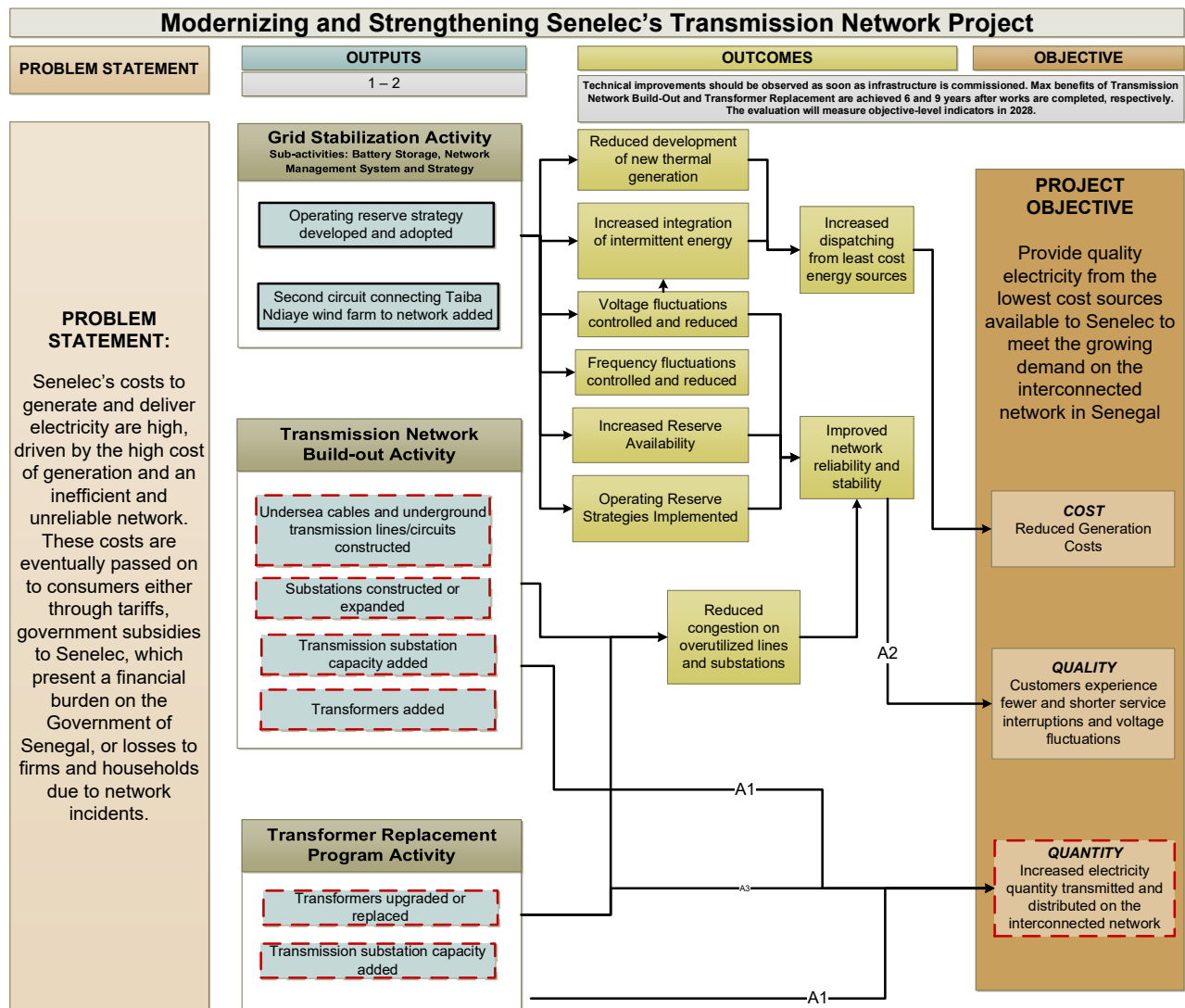
⁷ The Compact uses "spinning reserve" instead of "operation reserve". The latter is more specific because it includes the spinning and non-spinning reserves and storage batteries.

transmission network, to ensure n-1 security.

2024 update: The January 2024 compact modification removed the remote load shedding (a) and battery investments (b) from the compact.

The Transmission Project Logic is presented below with a description of expected outcomes.

Diagram 2: Transmission Project Logic



Note: Results outlined in red are linked to the CBA.

2024 Update: All results beyond the project objective have been removed from the project logic diagram. The outputs for Grid Stabilization have been updated to reflect the activity's descoping. Critical assumptions between some results have been added.

As mentioned earlier, the **Transmission Project Objective is to provide quality electricity from**

the lowest cost sources available to Senelec to meet the growing demand on the interconnected network in Senegal. This Objective is defined in terms of the cost, quality, and quantity of electricity.

The high *cost* of electricity was identified as a binding constraint to economic growth in Senegal, which is in large part, due to the country's dependence on relatively expensive HFO as a source for generating power. The Transmission Project, particularly the Grid Stabilization Activity, allows for better integration of intermittent energy sources (e.g., wind and solar), which are considerably cheaper than HFO. The key indicator for measuring this outcome is the **average generation cost per kWh**. While this cost is not explicit in the Project's CBA models, these models use estimated cost-recovery tariffs (that depend, in turn, on average generation costs) faced by different consumer types to value incremental energy across the Compact's projects⁸. The expected average generation cost per kWh at the end of the Compact is 36.98 CFA compared to a baseline of 61.61 CFA in 2019.

Insufficient electricity *quality* was also a part of the binding constraint. This problem has multiple causes, including insufficient power supply at peak hours, poor quality of network infrastructure, and poor maintenance and planning. While Senelec has improved service quality, the growing demand for electricity is placing additional pressures on the grid, which, in the absence of investments, could lead to a deterioration of service quality. The Transmission Project's investment in the network's capacity and ability to integrate intermittent sources is expected to accommodate the growing demand while improving service quality. Electricity quality will be measured by **the duration and frequency of service interruptions**. A key challenge to measuring these results is the availability and quality of existing utility data. Another challenge is separating the effects of other network investments and variables on those outcomes. Indicators for this result were not drawn from the CBA model⁹. By 2023, the average duration of outages is expected to decrease from 10 to four and the frequency from 11 to five. Non distributed energy is expected to decrease to 13 gigawatt hours (GWh) in 2023 compared to a 2019 baseline of 16.87 GWh. The source of these targets is the Senelec performance contract.

2024 Update: The targets are expected to be updated and completed through load flow modeling to be conducted by an Energy Practice Group due diligence consultant by March 2025.

The *quantity* aspect of the Project Objective is not explicitly part of the binding constraint. Rather, it reflects necessary investments to respond to the growing demand. The key indicators, aligned with the modeled benefit streams, are **the additional energy transmitted from added transformers** (Transformer Replacement Activity) and **the additional energy transmitted in the Dakar**

⁸ The original CBA model for the battery storage sub-activity estimated the intermittent energy value that would have been lost and the value of benefits of a better dispatching. However, it was not clear how these indicators were defined and how they could be measured. The Compact investment in batteries will likely change. **As of the January 2024 compact modification, MCC is no longer expected to invest directly in battery storage. There is no CBA model for the Grid Stabilization Activity.**

⁹ At the time of the initial M&E plan, the only CBA model for this Activity was for the Battery Storage sub-activity. That model estimated the value of the decrease in unserved energy demand. However, the EA division considers unserved energy to be problematic as it entails assumptions about the counterfactual and with-project scenario. The model also does not have sufficient information for measurement, such as the segments of the network where more energy is expected to be served and the number of service interruptions that are projected to occur or be prevented. **With the January 2024 compact modification and second version of the M&E plan, there is no longer a CBA model for the Grid Stabilization Activity.**

peninsula (Transmission Network Build-out Activity). The expected annual additional energy transmitted by 2028 is 1,449,609 MWh for the Transmission Network Build-out Activity and 360,745 MWh for the Transformer Replacement Activity.

The Transmission Network Build-out Activity and the Transformer Replacement Program Activity are both expected to increase the capacity of the high-and medium-voltage networks to reduce congestion on overutilized lines and substations and increase the quantity of electricity transmitted on the interconnected network. For the Transmission Network Build-out Activity, additional energy transmitted attributable to the Project will be assessed at the level of 14 substations in the Dakar peninsula. For the Transformer Replacement Activity, this will be measured at the level of the four substations where transformers are being replaced or added: Touba, Diass, Aeroport LSS, and Hann.

These two activities are also expected to contribute to the network's **improved reliability and stability**. Measurement of the duration and frequency of service interruptions and the quantity of non-distributed energy will be focused on the HV network, which the Transmission Project is expected to affect most directly.

The Grid Stabilization Activity is expected to contribute to the reliability and stability of the interconnected network, as measured by the **quantity of non-distributed energy, duration, and frequency of interruptions of service**, as well as **frequency and voltage stability**. These network-level improvements in reliability of supply are expected to increase the willingness of consumers to pay for electricity services and increase the global electricity consumption of businesses and other consumers connected to the network.

2024 Update: In January 2024, MCC reduced its investment in this activity. However, the outcome-level targets remain based on the assumption that Senelec and other donors make the necessary grid stabilization investments as outlined in the operational reserve strategy. These include the installation of new batteries with a total capacity of 80 megavolt amperes.

The known assumptions for the Transmission Project are set out in the list below:

- Sufficient and reliable electricity generation comes online in accordance with projections of Senelec and the Power Africa Master Plan. (A1)
- Senelec has the technical capacity to manage and assess the techno-economic criteria for network extension and densification. (A1, A2)
- Lines, substations, and power plants defined by Senelec will be in service as per Senelec planning.
- The distribution network (<30kV) is sufficiently strong to deliver electricity reliably to consumers. (A1)
- The assets constructed by the Project are effectively operated and maintained. (A1, A2)
- Actual electricity demand in Senegal does not deviate from the load forecast scenarios considered in the evaluation of the network requirements. (A1)
- Necessary investments in the distribution network are made, including the need for reactive compensation. (A1, A2)
- Transformer losses remain stable at 2% as modeled in the CBA (A3).
- Voltage regulation at Kahone, Bel Air and some units at Cap des Biches are in automatic

mode to provide reactive support to the network.

- As per current practice, reactive compensation required for the addition of long new lines (100 km and more) on the main transmission system must be systematically implemented.
- Senelec implements the Environmental and Social Management System (ESMS) developed as a condition precedent (CP) and adopts a process of continuous improvement of its environmental performance.
- 2024 Update: The Project assumes that Senelec makes necessary investments in batter storage and grid stabilization in the absence of MCC's direct investment in batteries and the automated load shedding system that were removed from the project in January 2024.

The known risks of the Transmission Project are set out in the list below:

- Violation of any of the assumptions listed above.
- Delay in implementing the operating reserve strategy action plan, which may affect network performance.
- Constraints related to environmental and social impact studies, including the resettlement action plan.
- Delay in Senelec's compliance with the resettlement audit action plan.
- COVID-19 pandemic.
- Delay in the implementation of the generation plan.
- Changes in the demand behavior compared to scenarios considered in the feasibility studies.
- Submarine cables procurement process risks.
- Delay in implementing submarine links due to specific market challenges.

Economic returns as modeled in the CBA are sensitive to:

- Phasing of investments expenses.
- Year that new links are commissioned.
- Infrastructure and environmental protection cost overruns.
- Significant deviation on the initial scope of works.
- Procurement risks.

The Access Project Description and Logic

The Access Project addresses aspects related to both the supply of and demand for electricity identified in recent studies exploring low adoption rates among households, including those located close to the grid (Lee et al, 2016; Chaplin et al, 2017). Specifically, the Project addresses constraints to electricity access and good electricity service quality.

The root causes of the constraints addressed by the Access Project include the following:¹⁰

- **Electrical grid does not cover the entire country:** The remoteness of sites and low demographic density are the principal reasons network investment and operating costs are high compared to demand. Considerable disparities in access to electricity are noted in the central, southeastern, and southern regions where electrification rates do not reach 10%.¹¹
- **Access strategy in rural and peri-urban areas has not been optimized:** The concession model established by ASER divides the country into 10 concessions. Despite the model's innovative nature, the electrification rate remains low mainly because MV feeders do not prioritize targeting productive sectors and infrastructure with high energy demand levels. Also, until tariff harmonization was applied in December 2018, rural consumers paid a relatively higher tariff than urban consumers.

The Access Project will contribute to the Government of Senegal's objective of achieving universal access to electricity. The Project supports the extension of the electrical network in certain areas of southern and central Senegal. Through demand-side investments, the Project aims to increase adoption and electricity consumption rates, facilitate the creation of opportunities for income generating activities and improve knowledge on electricity literacy of the profitability of electricity in the Access Project's intervention areas. The Project also aims to improve the service quality and reduce technical losses on the distribution network in certain areas around Senegal outside of Dakar. The Project includes three (3) activities:

1) Supply-Side Infrastructure Activity

The Access Project's Supply-Side Infrastructure Activity aims to extend the electrical grid in regions identified based on production potentials which may benefit from access to electricity, relatively strong willingness to pay, and low electrification rates.¹² It includes building approximately 573 km of MV distribution lines and 462 km of LV lines to electrify around 350 localities in five regions in the southern and central regions of Senegal – specifically Kolda, Tambacounda, Fatick, Kaolack, and Sedhiou. MCC and the Government identified areas with potential productive uses that would provide adequate demand to ensure sufficient economic returns and justify electrification.

The Activity is detailed as follows:

- A. 196 Km of MV lines in central area (Fatick et Kaolack)
- B. 377 Km of MV lines in south area (Tambacounda, Kolda et Sedhiou),

These MV lines will be built

- in the banana-growing areas of Tambacounda department, to cover irrigated banana plots and around 16 non-electrified localities.

¹⁰ Concept Notes – affordable and accessible energy for all, March 2017

¹¹ Ministre de l'énergie -Analyse de la situation des taux d'électrification rurale (2014-2015)

¹² [Willingness to Pay for Improved Electricity Services in Senegal \(mcc.gov\)](http://mcc.gov)

- in cashew nut production areas in the Foundiougne department, covering around 110 localities.
- in Nioro du Rip, Medina Yoro Foulah/Boukiling to cover up to 171 localities in the main cashew nut production areas.
- in the rice-growing areas of Vélingara and electrification of around 53 localities.

The Access Project will enable the connection of 12,700 ¹³households, distributed between 900 in Tambacounda, 3,800 in Foundiougne, 4,400 in Médina Yoro Foulah/Boukiling, and 1,800 in Vélingara. The Project is also expected to enable the services of socio-community infrastructure, public lighting, and productive, revenue generating activities.

An **improvement in the coverage rate in MCC investment areas** is expected from this Activity, which will be measured by the *number of electrified localities* and the *number of new customers*.

Finalization of design studies is expected in 2023. Subject to the satisfaction of CPs for disbursement, construction is expected to start in Q4 of 2024, with completion anticipated by Q1 of 2026.

2) Consumer Demand Support Activity

The Consumer Demand Support Activity aims to increase demand for electricity through demand-based investments, including supporting new connections by improving customer service and the supply of connection equipment for interior wiring, a consumer education and awareness campaign, and facilitating the electrical equipment and appliances market for consumers. It includes the following sub-activities:

- Supporting Connections* sub-activity: This sub-activity includes (1) providing technical assistance for customer service support to ensure concessionaires (Senelec or rural electrification concessionaires) are capable of efficiently connecting new consumers and have stock management systems to ensure sufficient connection equipment availability, and (2) assessing the availability and qualifications of service providers for the implementation of interior wiring for households and businesses.

¹³ The total number of households recalculated according to the new scope and with an adoption rate of 80% is shown in the table below.

Total number of households	Boukiling	Foundiougne	Medina Yoro Foulah	Nioro	Tambacounda	Vélingara	Total
Total households per region (2022)	1066	4733	4483	2293	1119	2236	15931
Total number of households expected to connect, adjusted following the expected adoption rate	800	3800	3600	1800	900	1800	12700

- b) *Education Campaign for Electricity Literacy* sub-activity: This sub-activity contains communications and educational campaigns to promote behavior change, including, but not limited to, knowledge of energy efficiency practices with messages tailored for specific audiences, such as rural areas, men, women and the youth, various ethnic and language groups, and underprivileged and vulnerable social groups. The campaign will target 1) non-connected clients in the project areas, 2) rural clients connected and not connected for productive uses, and 3) other key stakeholders, including local authorities and municipalities, civil society organizations and leaders, and private sector associations.
- c) *Market Facilitation for Electricity Access* sub-activity: The aim of this sub-activity is to provide technical assistance to equipment vendors, financial institutions, and consumers to increase the availability of and financing mechanisms for productive equipment.

2024 update: The *Market Facilitation for Electricity Access* sub-activity's scope was modified to provide financial and technical assistance to community organizations in newly electrified localities to purchase and use productive use equipment.

Through these demand-side investments, the Access Project aims to increase the **use of electricity for domestic and productive uses**, facilitate the creation of opportunities for income-generating activities in these regions and increase knowledge of electricity literacy.

The Supporting Connections sub-activity is expected to reduce the **time for consumer connections to the network** through **improvements to Senelec's customer service and connection procedures, the availability and management of equipment necessary** for these new connections, and electricians' **capacity to do the interior wiring for new consumers**. The Education Campaign sub-activity is expected to increase the number of potential clients connecting to the network due to a **better understanding of the connection process, energy efficiency, and productive uses of electricity**. These interventions will help clients save money on their electricity bill and therefore remain connected to the network. The Market Facilitation for Electricity Access sub-activity is expected to increase the number of users and enable electrification rates and consumption levels high enough to justify MCC support to the program.

Subject to the finalization of design studies related to the Consumer Demand Support Activity, the sub-activities are expected to start Q1 2025 and continue through the end of the compact.

3) Distribution Network Reinforcement Activity:

This Activity aims to reduce technical losses and the frequency and duration of power outages in the MV network outside of Dakar through improvements to the 30kV distribution network, including, without limitation, installation of circuit-breakers, capacitors, new or upgraded transformers, local and remote controlled switches to minimize the faulty area on the main section of the lines, automatic control switches at the beginning of long derivation, new line configurations, load transfers, load corrections, and fault indicators to guide operators more quickly during outages and thus reduce their duration.

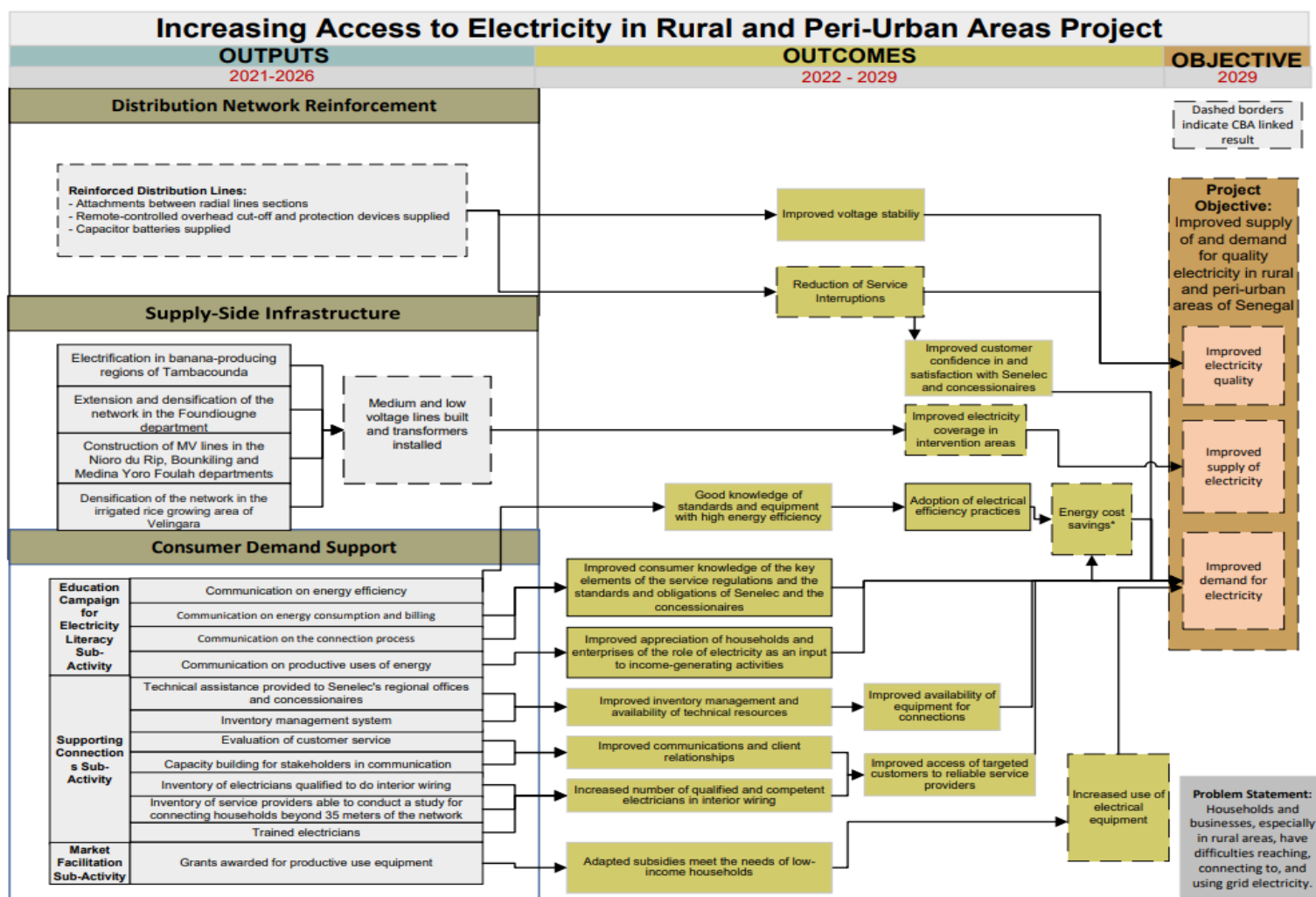
Ultimately, this component is expected to improve the operational efficiency of the national MV

network. It will enable **improved performance and reliability of the distribution network that will be measured** by a *reduction of technical losses, improved voltage stability, frequency of power outages, and duration of power outages on the MV network outside of Dakar*. It will enable Senelec and concessionaires to ensure more efficient customer service, sell more electricity, and consequently, **improve the financial situation** to be able to reinvest funds in the electricity sector.

Improvement works are expected to start in Q1 of 2025 and be completed in Q1 of 2026.

The logical framework of the Access Project is presented below.

Diagram 3: Access Project Logic



2024 update: The updated logic model reflects several changes to the Access Project design and the project team's understanding of expected outcomes and the project Objective since 2022. The Market Facilitation sub-activity's outputs and expected outcomes reflect the new design, which focuses on grants to community organizations to purchase productive use equipment. *Improved voltage stability* was added as a key expected result of the Distribution Network Reinforcement Activity, as was *energy cost savings* for the Consumer Demand Support Activity. The objective was reframed to reflect its three core components, and several results were removed, including *increase in households and enterprises connected to the grid*, which were considered redundant with the objective. Post-objective impacts were removed to align with MCC M&E's Policy of not evaluating results after the project objective. Finally, CBA linked results were highlighted with dashed borders.

The **Objective of the Access Project is to increase the supply and demand for quality electricity in rural and peri-urban areas of Senegal**, whose key indicators are the *electricity consumption level for household and productive uses in the Compact investment areas*. The CBA conducted to estimate the economic rate of return (ERR) identified increased land property values in rural communities currently without access to electricity and firms' energy cost savings as the key benefit streams. The CBA estimates 2569 MWh of annual electricity consumption for domestic use and 2,698 MWh for productive use, with an adoption rate of 62% by compact end.

The Objective is expected to be attained through the achievement of the key outcomes of the three activities:

- **Increase of the coverage rate in the Compact investment areas** measured *by the number of localities electrified* and **the extension of the electrical grid in investment areas** measured *by the number of new subscribers* (supply-side infrastructure);
- **Improvement of the quality of the electricity service to consumers** measured by the *reduction of technical losses and non-distributed energy on the distribution network, in MCC intervention areas*
(improving the distribution network);
- **Improved demand for quality electricity in rural areas in Senegal** (consumer demand support); and
- **Improved inventory management** of Senelec and the concessionaires (consumer demand support) measured by the *average number of days between the moment a new consumer pays to an electricity provider and the moment it is effectively connected*.

Ultimately, target beneficiaries whose electricity demand is satisfied are expected to experience improved productivity, time and labor savings, increased children's study time, improved safety and security, reduced energy expenses, increased household incomes and/or added value for businesses. Communities in newly electrified areas are also expected to experience an increase in land values.

Assumptions of the Access Project are listed below:

- The demand for electricity among unconnected households and firms is sufficiently high to justify investment.
- Target beneficiaries see the value of electricity and are willing to pay for it, whether it is for residential or productive use.
- External actors provide complementary business development support to agricultural producers where it is needed.
- There is sufficient human capital to do interior wiring and maintain rural electrification infrastructure.

- Equipment dealers supply equipment and appliances in the target areas and expanded financing mechanisms become available to consumers to boost productive uses of electricity.

Risks identified for the Project specifically include:

- Senelec's Action Plan to reduce connection times is not implemented.
- Senelec's perimeter is not extended to areas that were formerly part of non-performing concessions as expected.
- Delay in the Project's final design (including the technical and/or environmental components).
- Delay in constructions work

The Reform Project Description and Logic

The Reform Project addresses constraints related to the high cost, low access, and poor electricity service reliability. The Project is expected to strengthen major sector institutions, positioning them to be agents of change in the reduction of costs, improvement in reliability and quality, and extension of electricity access.

To achieve its **Objective**, the Project shall strengthen the laws, policies, and regulations governing Senegal's electricity sector, as well as the institutions responsible for implementing them, particularly the utility (Senelec), the regulator (the *Commission de Régulation du Secteur de l'Electricité* or CRSE), and the ministry responsible for energy and petroleum (Ministry of Petroleum and Energy or MPE). The timeframe for the achievement of Objective-level results is defined in Annex II where possible.

To support the Reform Project and the Program, the Government made several commitments to reform and strengthen the institutional and policy framework.¹⁴ These are:

- Adopting and enacting the new electricity code as described in paragraph b) of annex V of the Compact.
- Establishing an instrument to monitor and provide financial incentives for Senelec's performance on key performance indicators.
- Developing and adopting the tariff plan in compliance with paragraph e) of annex V of the Compact.
- Ensuring financial autonomy and provision of sufficient resources to CRSE and Senelec.
- Developing and adopting an integrated investment planning framework and conducting audits to ensure compliance with this framework.
- Ensuring long term-term financial sustainability of the sector in compliance with section 8.1 of the Compact, including, without limited to, adopting and observing the sector reimbursement and tariff plans.

¹⁴ The exact language of conditions precedents and covenants can be found in the Compact and Program Implementation Agreement (PIA).

Beyond that, the Government committed, as part of the reform, to the:

- Final selection, before the Compact entry into force, of a sector alternative presented by the Road Map. The choice of this alternative was approved in December 2019.
- Adoption and initial payment as part of an electricity sector repayment plan before entry into force.
- Support to Senelec's ongoing orientation as a commercial entity, including the accounting unbundling of Senelec and ensuring the resolution of any related and outstanding audit findings before the start of the Reform Project activities.
- Development and adoption of the action plan to transpose to national law the ECOWAS Policy for Gender Mainstreaming in Access to Energy before the start of the Reform Project activities.
- Annual review of the road map implementation throughout the Compact, starting one year after the validation of the Road Map by the government. MCC will be invited to annual reviews.

The Reform Project builds on the participatory electricity sector planning process (the "Roadmap") supported by MCC under the Compact Development Funds (CDF) Agreement. Through the Roadmap, the Government has articulated and selected a long-term vision for Senegal's electricity sector, key features of which include an operational re-organization of the sector that allows for Senelec to become a public holding company, with separate and autonomous generation, transmission and distribution subsidiaries; a re-organization of sales and the off-grid system; a stronger enabling environment for the private sector participation in generation, transmission, distribution, and sales; and a complementary legal, institutional and regulatory framework. The Reform Project includes three activities: (1) sector governance, (2) regulator strengthening and (3) utility strengthening.

1) Sector Governance Activity

This Activity mainly addresses the high cost of electricity constraint. This includes the following (in each case where applicable, consistent with the Roadmap):

- a) Technical assistance to restructure and update the legal and regulatory framework for implicated sector institutions in the sector consistent with the Roadmap, including the unbundling of Senelec into public subsidiaries, among which shall be an operationalized transmission system operator;
- b) Support to the MPE and its entities for (1) the development, implementation, and monitoring of an integrated sector investment planning framework, (2) the development and implementation of a long-term plan to transition rural concessionaires to leaseholders (*affermages*), (3) the development and initial operationalization of a plan on equal access to energy, (4) training and technical assistance to the institutions responsible for rural electrification to support business plan development, environmental compliance, and the roll-out of single phase technology and smart metering to support tariff harmonization, (5) technical assistance to support preparation of the MPE's next sector policy letter (covering calendar years 2024-2028), and (6) technical assistance to support monitoring, and periodic assessments, of sector strategic action plans under the Roadmap; and

- c) Support to facilitate increased private sector participation in the sector, including (1) development of an online *guichet unique*, serving as a “one-stop shop”, for existing and new private companies seeking to invest in the sector, (2) technical assistance for market opportunity analysis, preparation of policy recommendations, and planning and transaction assistance for ancillary services (e.g., batteries, operating reserve, frequency regulation, etc.), (3) technical assistance to analyze the market for electricity to be opened directly between IPPs and large commercial or other consumers, and (4) development of a private sector participation/IPP solicitation framework to streamline the process for potential IPPs, as well as potential private sector participants in transmission.

The first version of the M&E plan described the activity’s intended outcomes in the following way.

This Activity is expected to improve sector planning, decrease prices in power purchase agreements, and increase private sector participation in generation and transmission with third-party network access, and in distribution with the affermage system projected by 2028.

2024 Update: As shown in the updated project logic diagram, this activity is focused on reducing the cost of service, which is expected to improve the financial viability of operators.

Activities related to the improvement of the legal and sector framework are already ongoing with the GoS’s adoption of the electricity code, which is a condition precedent to the Compact’s entry into force.

Sector Regulator Strengthening Activity

This Activity aims to build and expand the capacity of CRSE to fulfil its statutory mandate, as described in the Roadmap and the new electricity code required under the Compact, as well as to meet new requirements in light of Senegal’s expanding electricity sector. This includes:

- a) Support to improve CRSE’s core functions, including (1) technical assistance to conduct a grid audit, licensee assessments, and evaluations of regulatory effectiveness, (2) technical assistance to develop a monitoring and enforcement strategy, including evaluation of integrated sector investment plans and identification of available enforcement powers, (3) technical assistance to develop and implement a more effective organizational structure, (4) development of a multi-year communications plan, and (5) completion of a comprehensive salary and financial autonomy study for CRSE; and
- b) Support to enable CRSE to meet new requirements and opportunities in light of changes adopted by the Government through the Roadmap, including technical assistance to (1) undertake and implement a comprehensive tariff reform study to assess the appropriateness of the current tariff methodology and financial and economic modeling for the sector, (2) perform a cost of service study, (3) develop recommendations on tariff rate design and the treatment of new sector assets (e.g., batteries), (4) develop and implement new regulations,

standard operating procedures, and templates (e.g., licenses, standard solicitation documents, *affermage* agreements, etc.), and (5) implement a communications campaign to share information about new tariff rates and outcome of studies.

The first version of the M&E plan described the activity's intended outcomes in the following way.

The Regulator Strengthening Activity is expected to contribute to improved regulatory governance and substance, which will be measured by a regulatory assessment adapting the tools of the World Bank (Evaluating Infrastructure Regulatory Systems) and the African Development Bank (Electricity Regulatory Index). These outcomes could enable the energy sector regulator to better promote the financial viability of electricity sector companies, and the protection of the consumers interests in terms of price, quality, and access to electricity. However, it will be difficult to credibly determine the Activity's effect on these latter outcomes.

2024 Update: As shown in the updated project logic diagram, this activity is focused on improving regulatory governance, regulatory substance, and tariff-cost reflectiveness.

Utility Strengthening Activity

This Activity aims to improve Senelec's commercial, financial, operational, and environmental performance. This includes:

- d) Technical assistance to improve internal audit and control, procurement, financial management, and information services, including establishing, monitoring, and measuring technical, commercial, accounting, and financial management indicators, establishing business objectives, and overall performance monitoring and evaluation;
- e) Establishing a utility performance incentive program, which is anticipated to include conditional disbursements to Senelec in the form of grants (funded by the GoS Contribution) if Senelec is able to satisfy identified key performance indicators (KPIs) (such as technical loss reductions, new connections, etc.). The incentive program shall be governed by an operations manual and related guidelines or agreements, each subject to MCC approval, setting forth the specific terms and conditions of the program, including but not limited to the identified KPIs and targets, the value of the conditional grants, permissible uses for the grants, and the role of CRSE or other sector institutions in the program;
- f) Technical assistance to improve the management of Senelec's transmission and distribution network, including to (1) improve safety management, (2) train and orient new and/or young staff, (3) strengthen asset management capabilities, including the provision of, and training with, key equipment and materials, (4) centralize and upgrade the geospatial information system database, including technical assistance to utilize and manage the new system; and
- g) Technical assistance to Senelec, as well as other relevant electricity sector stakeholders, to adopt and implement best practices for environment and social performance, including (1) preparation of key plans and documentation for assessing, monitoring, and evaluating

electricity projects, such as environmental and social management systems (ESMS), resettlement policy frameworks (RPF), and RAPs, (2) integration of improved health, safety, and environmental policies and practices, (3) managing and mitigating the impact of resettlement in project zones, and (3) provision of, and training with, key environment compliance monitoring equipment and tools.

The first version of the M&E plan described the activity's intended outcomes in the following way.

The Utility Strengthening Activity is expected to improve the national utility's commercial, financial, operational and environmental performance as measured by, for instance, reducing losses and the frequency and duration of service interruptions. Reductions in these technical indicators are intended to improve Senelec's operating-cost recovery ratio. Performance improvements in the use of spatial data, asset management, procurement, accounting, and financial management performance to reduce the life-cycle costs will contribute to the reduction of costs and the financial viability of the public utility.

2024 Update: As shown in the updated project logic diagram, the activity is focused on improving Senelec's reporting to CRSE, reducing commercial losses, improving quality of service, and reducing cost of service.

As mentioned previously, the **Reform Project Objective is to create an enabling environment to improve the financial viability of, and to ensure good governance in, the power sector, with the intent of improving the quality and quantity of the electricity supply.**

This Objective statement agreed upon by MCC and the GoS counterparts during Compact negotiation does not lend itself to measurement through a single or even a couple of quantitative indicators. It includes broad and qualitative concepts such as good governance. Additionally, instead of representing a single result for which all activities contribute, the Objective statement includes multiple steps in a causal chain. The enabling environment is meant to lead to improved financial viability, which in turn is meant to lead to the improved quality and quantity of electricity supply. Additionally, the Reform Project is logically connected to improving electricity quantity and quality, but its effect would be indirect, long term, and inseparable from other factors outside its control and influence.

In light of these challenges, the first version of the M&E plan described how the Objective Statement (as articulated in Article 1 of the Compact) would be translated into measurable results along the results chain. The seven sub-activity logics were summarized in a single project logic with key targeted results, which were defined as "a set of lower level, but still ambitious outcomes, which will be assessed to determine whether the Project met its Objective." This approach is considered to be no longer compliant with the new M&E policy (2023), which requires that indicator(s) linked to the objective statement be marked clearly in Annex I and Annex II of the M&E Plan. Those indicators are meant to determine whether the project achieved its objective. Predecessor results are meant to determine why or why not.

To comply with the M&E policy, this M&E plan includes an updated project logic diagram reflecting the following changes:

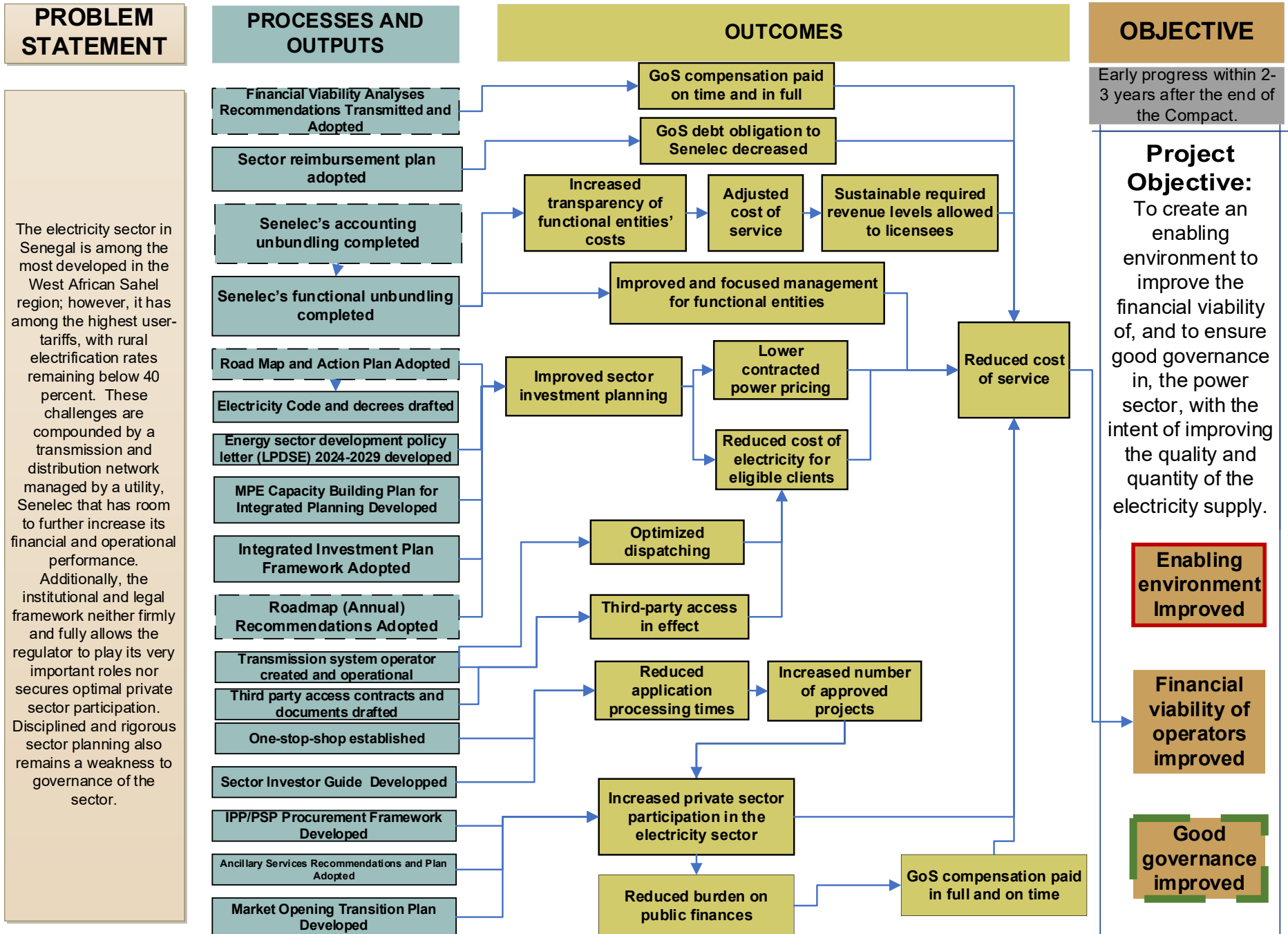
- There is only one project logic diagram, although each activity has its own page for legibility.
- The Problem Statement is included in the project logic diagram.
- The Goal to the right of the objective has been removed consistently with MCC's policy requirement for the diagram to stop at the Project Objective.
- There are no longer outcomes labeled as *key targeted results*. Outcomes that were previously labeled as such are either intermediary outcomes or part of the Objective.
- The Project Objective is changed from "improved economic viability of the sector" to the exact language included in article 1 of the Compact.
- The three results that comprise the Objective are taken directly from the objective statement.
 - The following results are removed: "improved customer satisfaction", "increased reliability of electricity supply", and "increased access to electricity". They are related to the "intent of improving the quality and quantity of the electricity supply". Intent on doing something is not the same as doing something. Intermediary outcomes that are targeting the removed results have also been removed.
 - The following results are added: "enabling environment established" and "governance improved"
 - The following result does not change: "Improved financial viability of operators" remains an objective-level result.

The objective-level indicators are summarized in the table below.

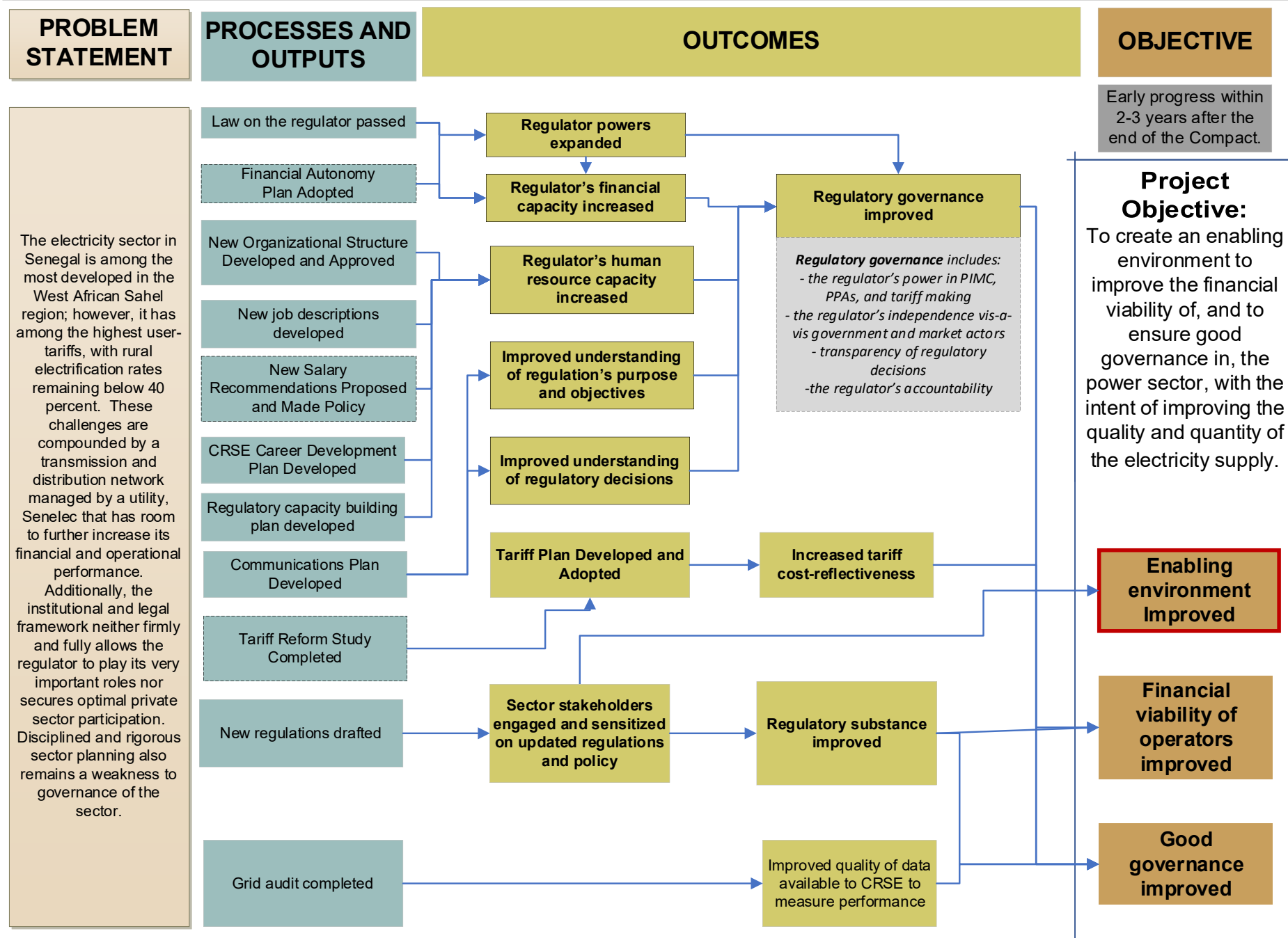
Project Logic Result	Indicator Name	Baseline	Target
Objective: Governance improved	Integrated investment planning practices	1.72 (2019)	7 (Year 8, 2028)
	Regulatory governance index	0.538 (2022)	1 (Year 8, 2028)
Objective: Enabling Environment Established	Formal rules adopted	0	40 (End of Compact)
Objective: Improved financial viability of operators	Operating cost-recovery ratio	Senelec: 92 (2019) Rural Concessionaires (CER) 88.75 (2019)	100 (Year 8, 2028)

Project Logic Result	Indicator Name	Baseline	Target
	Operating cash flow ratio	Senelec: 32.76 (2019) Rural Concessionaires (CER) 31.89 (2019)	100 (Year 8, 2028)
	Net return on equity	Senelec: 3.11 (2019)	TBD based on future Senelec strategic plan for the period covering 2028.

Sector Governance Activity



Sector Regulatory Strengthening Activity



Utility Strengthening Activity

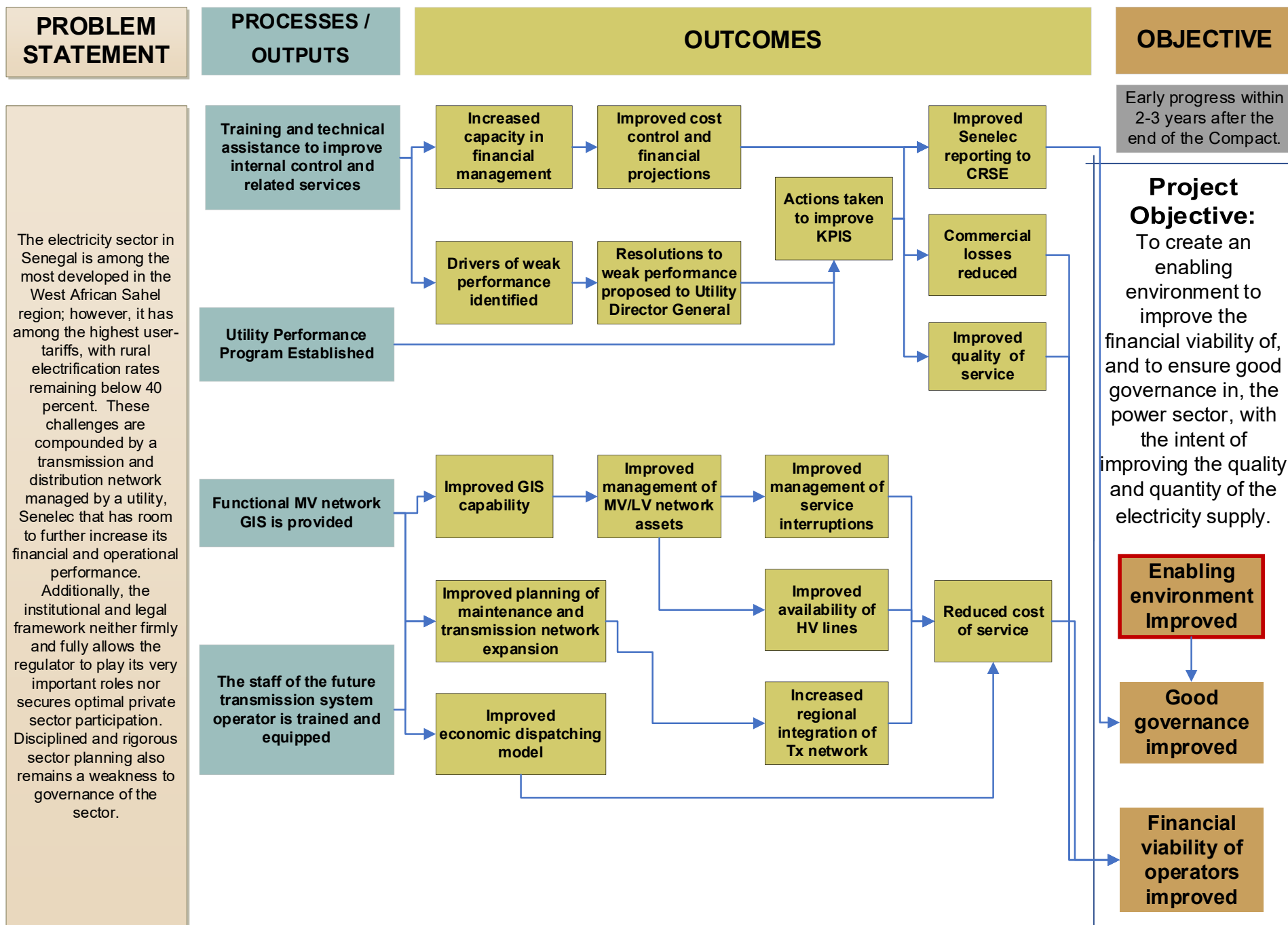


Diagram 4: Reform Project Logic

Note 1: This project logic does not include the sub-activity on improving the sector's environmental and social performance. At the time of the Compact development and signature, MCA and MCC considered it to be a cross-cutting sub-activity that did not directly contribute to the Project Objective. The above diagram will be modified if this were to change. MCA will carry out a Strategic Environmental and Social Assessment which will address the matter of how improving the sector's environmental and social performance contributes to the Reform Project Logic.

Note 2: The four benefit streams in the CBA model are beyond the Project Objective and are therefore not included in the logic diagram. The CBA model assumes the adoption of new formal rules, which are reflected in the 'Enabling Environment Improved' objective-level result.

Note 3: Results that have dotted lines are 'process' results.

For additional details on the causal linkages, refer to Annex IV of the original M&E plan. These logics also highlight some differences in MCC's and MCA's perspectives on what the Reform Project is expected to achieve. The logics may be revised during implementation. They may also serve as the basis for periodic discussion on the team's understanding of the problems it aims to address and its strategy for doing so. More information on this approach is included in the 'Beyond Performance Monitoring' section of this M&E Plan's Monitoring Component section.

The known assumptions for the Reform Project are set out in the list below:

- Fuel prices do not increase too much. This would apply an upward pressure on the tariff and affect the government's commitment toward difficult reforms.
- Relatively strong economic growth and favorable macro-economic conditions persist
- Changes in leadership of public and quasi-public organizations are minimal and do not harm commitment to reform.
- Organizational actors perceiving reforms to be against their interest do not stall the Project's implementation.
- Staff at the MPE, CRSE, and Senelec have the desire to make sector improvements and participate in Compact activities.
- Quantity and quality of staff at MPE, CRSE, and Senelec can participate in Compact activities and sustain outcomes realized during the Compact.

The known risks for the Reform Project are set out in the list below:

Sector Governance

- Non-implementation of new provisions of the electricity code aligned with Compact objectives.
- Significant disagreements with stipulations proposed in the Electricity Code make for a difficult relationship with other donors.
- There are significant disagreements with details in the application texts of the integrated investment planning framework, leading to delays and low quality of deliverables.
- Recommendations from annual road map reviews are adopted
- The 2025-2029 LPDSE is drafted and adopted and aligned with the least-cost integrated investment planning objectives.
- Lack of coordination with the World Bank on utility restructuring (accounting unbundling, functional unbundling, etc.) activities.
- The Reform Technical Advisory (TA) budget is insufficient due to the potentially growing complexity of the Activity.
- Lack of coordination with the Reform TA results given that consultant will not permanently be based in Senegal.
- The TA provider to MPE is charged with too many disparate tasks, reducing the quality of deliverables and support.
- Training needs continue to change, making it difficult to contract resources to provide training to personnel within the MPE and its agencies.
- *Guichet unique* design does not rise to the level of a high caliber web site and portal, losing

its ability to attract viewers and be of value.

- Coordination with donors on critical sector-wide interventions is not made effectively.
- Sector stakeholders challenge newly granted powers to the regulator.
- Personnel at the regulator or one or more commissioners disagree or remain quietly unsupportive of new responsibilities accorded to CRSE by the changes in law.
- Tariff plan is not followed over the course of Compact implementation.
- Coordination and synchronization between laws and communications/change management not made.
- Consultants procured for activity support fail to deliver on time and/or with quality.
- The strength and quality of the relationship between MPE and the TA Provider to MPE erodes over time.
- Other events and studies outside of the Compact but complementary to legal and sectoral work (e.g., Grid Code, Third-Party Access) are delayed.
- Regional institutional changes (e.g., ECOWAS Regional Electricity Regulatory Authority [ERERA]) impact national laws proposed or in the process of being drafted.
- Weaknesses of the regulatory and institutional framework of the energy sector that do not attract the private sector.
- Delay in the arrival of gas in the energy mix, maintaining tariffs relatively high.
- Incentives for improved performance dissipate after the Compact ends.
- Staff trained as part of Compact-funded activities might leave their organizations.
- Processes for institutionalizing new knowledge are not implemented in the MPE, CRSE, or Senelec. There is no plan for training newly hired staff.
- The wrong people are trained and thus cannot apply their training immediately to the appropriate and relevant role.
- The strength and quality of the relationship between MPE and the embedded TA erodes over time.

Regulatory Strengthening

- New regulations proposed or communicated by the regulator are challenged or hindered by sector stakeholders.
- To get from regulations drafted to adopted, the team assumes that CRSE consults with stakeholders on new regulations, CRSE adopts new regulations, and stakeholders engaged and sensitized on updated regulations and policy
- Regulator delays issuing (or does not issue at all) official decisions previously drafted by consultants.
- Recommendations on regulatory organizational changes are not instituted and made effective.
- Significant changes in personnel at CRSE erode the capacity to implement and further progress on Activity components.
- Financial autonomy study recommendations are challenged by the various stakeholders capable of supporting the regulator's autonomy.
- Grid audit recommendations are not further incorporated into regulations.
- The tariff plan and sector repayment plan are not monitored over the course of Compact implementation.

- Coordination and synchronization between regulations and communications/change management are not done.
- Consultants procured for various activities fail to deliver on time and/or with quality.
- The strength and quality of the relationship between CRSE and the embedded TA erodes over time.
- Roadmap action plan veers off course, impacting timing and planning around release of new regulations.
- Other events and studies complementary to regulations (e.g., unbundling, ATR), either stemming from within the Project or external to the Compact, are delayed.
- Delays with external studies with which the Activity has dependencies negatively impact the expected outcomes of the Activity.
- Regional institutional changes (e.g., ECOWAS Regional Electricity Regulatory Authority [ERERA]) impact national laws proposed or in the process of being drafted.

Utility Strengthening

- Performance incentive grants end up going to the wrong actors who played no part in performance improvements, demoralizing the real change makers.
- Performance incentive grants do not incentivize behavior changes required to improve performance.
- Insufficient buy-in from key stakeholders.
- Data is manipulated to receive performance incentive grants.
- An inability to manage the myriad number of dependencies amongst Compact-funded contracts and activities lead to schedule delays, low quality of deliverables, and unrealized outcomes.

Economic Analysis

During the third phase of project development, the Government of Senegal and MCC conducted an economic analysis for each project to determine the cost-benefit ratio of expected investments. Such economic analysis of the Program consisted of a CBA, which resulted in an estimated ERR, and an analysis of beneficiaries. In compliance with MCC policy requirements, projects had to meet the minimal return rate criterion of 10% to be accepted. The results of the ERR of projects and activities are presented in the following table:

Table 2: Summary of the economic rate of return

Project	Original ERR	Date of the initial ERR	Current ERR	Date of the current ERR
Compact	30%	09/2018	24%	04/2024
Transmission Project	33%	09/2018	26%	04/2024
Activity 1: Dakar Transmission Activity ¹⁵	30%	09/2018	22%	04/2024
Activity 2: Transformers Rehabilitation Activity	73%	09/2018	45%	04/2024
Activity 3: Grid Stabilization Activity	17%	09/2018	N/A	04/2024
Access Project	17%	09/2018	10%	04/2024
Activity 1: Supply side Infrastructure Activity (combined with Demand Support Activity sub-activities: Supporting	6%	09/2018	-2%	04/2024
Activity 2: Consumer Demand Support Activity (sub-activity Education Campaign)	20%	09/2018	No longer modeled with separate ERR	04/2024
Activity 3: Distribution Network Reinforcement Activity	47%	09/2018	46%	04/2024
Reform Project	18%	09/2018	20%	04/2024

¹⁵ The economic analysis of the activity for the development of the transmission network around Dakar was reviewed in 2021 before the Compact entry into force with the assumption that only 14 (instead of 20) substations should be used to estimate benefits. However, when this issue was first identified in mid-2020, MCC's due diligence consultants considered that only 10 substations should be used to estimate benefits. It was only later in mid-2021 that the team determined an additional four additional stations should be included as they also serve the Dakar peninsula. This was considered to include all transformers stations that inject electricity into the distribution network in the Dakar peninsula. The ERR revision also reflects the reallocation of the Management Oversight Social and Environmental Support (MOSES) costs to the three activities of the Transmission Project. This reallocation, taken alone, reduced the ERR of activity 2 and increased the ERR of activities 1 and 3.

Transmission Project Cost-Benefit Analysis

The global ERR of the Transmission Project is currently estimated at 25% and its net present value (NPV), at a discount rate of 10%, is estimated at \$617 million. The Transmission Network Development Activity and the Transformers Replacement Activity increase the capacity of the transmission network specifically in Dakar through addition of new 225 kV cables and increase of transformers and substations' capacity. These investments reduce transmission constraints during hours of peak demand and enable the provision of additional power to consumers. The economic benefit stream of the Transmission Project is measured through determination of the value of benefits related to consumption of such additional power. The quantity of the additional power transmitted attributable to the Project was estimated via a load flow model of the transmission network, considering the location and sizes of stations, specification of the network and the temporal and spatial profile of the power demand with the review of the economic model in 20 years. The value (in terms of well-being) of the additional power transmitted is estimated using the difference between the average willingness to pay as estimated by a 2018 willingness to pay study and the economically efficient power tariff that would enable Senelec to recover its cost of service.

A crucial aspect of the ERR at the project level is that it relies on assumptions of the status quo of policies and institutional reforms as the basis for modeling the additional power transmitted attributable to the project infrastructure investments. If that was not the case, it would probably lead to a certain double counting of benefits between the transmission and reform projects. A key assumption of economic models is that operation and maintenance expenditure lead to a sufficiently effective implementation of activities, which enables them to prevent the additional power transmitted by the network from significantly deteriorating over time. In compliance with the logic of the Transmission Project, economic models capture the global benefits of a package of investments in the capacity and stability of the transmission grid in terms of incremental energy supplied to consumers.

The sensitivity analysis reveals that the Transmission Project ERR is particularly sensitive to the value of the incremental energy based on willingness to pay, overruns of investments costs, and the level of operation and maintenance costs.

Access Project Cost-Benefit Analysis

The overall ERR of the Access Project is currently estimated at 17% and its NPV at a 10% discount rate is estimated at -\$0.394 million. The aggregate ERR includes benefit streams from Activities 1 and 3 and their respective sub-activities.

Key factors for the stability of this overall ERR are assumptions regarding the adoption rate for productive electricity use as well as the estimated cost of electricity production using gasoline powered generation units. While the assumptions regarding the productive use take up rate are based on detailed assessments as well as assumptions regarding the impact of the Consumer Demand Support Activity, the cost of electricity generation using gasoline powered generators can be sensitive to international oil prices. To mitigate these assumptions, MCC conducted simulations across both one and two standard deviations from the mean of the two variables to gauge the sensitivity of

Project-level (as well as the disaggregated ERRs) to these factors. As previously stated, the Supply Side Infrastructure Activity has two key benefit streams: increased land values for households and firms' energy cost savings.

Pursuant to a review of Project economic logic and ERRs culminating in the April 2024 revisions reported above, the costs of the Consumer Demand Support Activity were distributed on a prorated basis across Activities 1 and 3, with no additional associated benefit stream. The rationale for this revision is that the Consumer Demand Support Activity (Activity 2) is intrinsically linked to achieving results of Activities 1 and 3 and serves primarily to increase the level of confidence that the estimated benefits of those two activities will be fully and timely realized.

The key benefit stream of the Distribution Network Reinforcement Activity is the economic value of the non-distributed energy, which is set at \$1.34 per kWh, as well as the economic values of distribution losses, set at \$0.092 per kWh. The Activity aims to reduce non-distributed energy and technical losses.

Reform Project Cost-Benefit Analysis

The global ERR of the Reform Project is currently estimated at 18% and its NPV, at a discount rate of 10%, is estimated at \$40.2 million. The three activities of the Project support the reforms conducted by various sector players and investments in capacity building of these entities.

The economic analysis of the Reform Project relies on empirical data resulting from a systematic review of the impacts of the electricity sector reforms in developing countries. MCC and the Government specifically built on the experience of countries in terms of reforms of the electricity sector to select studies that meet three criteria:

- The extent and scope of reforms are relevant to those considered as part of the Compact.
- Sufficient country coverage to present broad relevance for the study methodology in Senegal.
- Studies are sufficiently rigorous to generate credible estimates and with an internal validity of reform impacts.

In total, this review retained seven¹⁶ studies on several countries covering five major categories of reforms and providing twelve parametric estimates of impacts of reforms. The table below presents reforms and impact variables which the seven studies focus on as well as the benefits that depend on them.

¹⁶ Urpelainen, Yang, & Liu (2018:11)

Zhang, Parker, and Kirkpatrick. 2008. Four-component regulatory index

Zhang, Parker, and Kirkpatrick. 2008. Competition index

Bacon, Robert (2018), Impact of Power Utility Reform in Developing Countries: A Literature Review. Washington, DC: The World Bank, Energy & Extractives Global Practice

Table 3: Summary of types of reforms and associated impact variables reviewed in power sector reform studies on which the project ERR is based

<i>Impact variables</i> <i>Reforms</i>	Transmission and distribution losses	Duration of interruptions	Frequency of interruptions	Power generation per inhabitant	Access
Regulations					
Restructuring	X				X
Competition				X	
Private sector participation	X	X	X	X	
Reform combination	X			X	

Note: X means that that analysis includes one or several studies assessing the impact of a given reform on a specific impact variable and providing estimates of the associated parameters.

The timing of some reforms included in the analysis highlights a key risk of the Reform Project, and a risk to which the economic returns are sensitive. Namely, some reforms, such as the creation of the *affermages*, are expected to both be initiated and produce impacts only after the expiration of the Compact term. This is one example of the higher inherent risks typical of such reform programs; at the same time, such programs often offer prospects of greater and more sustainable returns.

The Reform Project ERR has characterized the content of the Program's proposed reforms in some detail and assessed the prospects for an economically viable project using available cross-country evidence. The Project's ERR estimate rests on four types of benefits: a reduction in transmission and distribution losses, a reduction in the duration and frequency of interruptions, an increase in electricity generation per capita, and an increase in electricity access. All four of these benefits are beyond the Project Objective and are therefore excluded from the project logic. What is more challenging to evaluate on an objective basis and with confidence is the prospect of success of certain reforms—particularly those more distant in time, after expiration of the Compact term—as a function of institutional and political context in Senegal. Sensitivity analysis can be helpful in identifying those parameters in the model to which returns are most sensitive. In this case, the Reform Project's returns are sensitive to the timing of reforms, parameters connecting reform progress to key sectoral outputs and outcomes, the efficacy of reform implementation, and the value of incremental energy attributable to successful reforms.

Sensitivity analysis of the Reform Project ERR indicates that this ERR estimate is most sensitive to the value of incremental energy, to Senelec's efficiency in carrying out reforms, and to the impact of regulatory, structural, and competitive reforms on transmission and distribution losses. The estimated probability that the Reform Project ERR exceeds ten percent is approximately two-thirds.

Consistent with the Project's program logic, the economic model aims to capture the combined

benefits of a range of investments in sectoral reforms and of the development of capacity and expertise that underpins these reforms. In compliance with the logic of the project, the purpose of the economic model is to account for global benefits of a package of investments in sector reforms as well as capacity building and skills that underlie such reforms.

Projected Beneficiaries

According to the *MCC Guidelines for Economic and Beneficiary Analysis*, beneficiaries of projects are those individuals that are expected to experience better standards of living due to Compact activities aimed at increasing their real incomes. The ERR analysis for proposed projects gives details on benefit streams through which beneficiaries should experience increased incomes.

A general overview of the span of program benefits across the population of Senegal is presented in the table below.

Table 4: Expected Program Participants

Project	Definition of Program Participants	Established Number of Program Participants
Transmission Project	Senelec, DEEC, Dakar municipal governments	TBD
Access Project	ASER, Senelec, DEEC, Concessionaires of target areas, Regional and departmental governments in target areas	TBD
Reform Project	MPE, CRSE, Senelec, ASER, APIX, IPPs, Consumer association, FSE, DEEC, Ministry of Finance, Presidency, Rural concessionaires, ERILs	TBD

Table 5: Expected Program Beneficiaries

Project	Definition of Program Beneficiaries	Estimated Number of Beneficiaries	Net Present Value (NPV) ¹⁷ (\$m)
Transmission Project	Electricity users (households and businesses) in the targeted geographic zones	4,600,000 ¹⁸	671
Access Project	Electricity users in rural areas	181,000	-0.394
Reform Project	Electricity users	12,600,000	40.2

¹⁷ The NPV illustrates the net benefits, which subtract the discounted costs from the discounted benefits. The Cost-benefit analysis produces two main outputs: the ERR and NPV. This provides a more complete picture and allows for comparisons at this level across projects.

¹⁸ The reduction in the Transmission Project's anticipated geographic footprint served by 14 substations (see note 15 above) suggests a concomitant reduction in the estimated number of beneficiaries that is not yet reflected here. MCC will use Senelec customer data to generate a revised estimate.

Program total	(Note: some people benefit from several projects)	12,781,000	657
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The Program is expected to benefit 12,781,000 persons as indicated in Table 5 above, with 6,300,000 “poor” beneficiaries (of which 2,100,000 are considered “extremely poor”) and 4,100,000 “near poor” beneficiaries.¹⁹

Analysis of the Transmission Project Beneficiaries

The Transmission Project beneficiaries include an estimated 4,600,000 electricity users²⁰ (see Table 5 above) in the project investment areas, comprising households and businesses. Regarding businesses, over 90% are in the informal sector (RGE,²¹ 2017). Thus, the Project is expected to generate a significant impact in the productivity of businesses, thereby contributing to the economic growth. Given that the Transmission Project may affect electricity flows throughout Senegal’s interconnected network, all consumers connected to the network may benefit to some extent. The economic analysis is limited to beneficiaries in the Dakar peninsula, however, since according to MCC analysis, it is in that region that effects are most clearly attributable to the Project.

Analysis of the Access Project Beneficiaries

The Access Project will contribute to the development of new and the strengthening of existing income-generating activities, and the beneficiaries will be mainly households and firms in the access project intervention areas. Project intervention areas were selected based on the potential for beneficiaries to adopt income-generating activities within agricultural value chains. In addition, people in neighboring villages might also become beneficiaries, due to potentially increased opportunities for off-farm income-generating activities and access to electrified community infrastructure, such as mills, water pumps, etc.

Analysis of the Reform Project Beneficiaries

The beneficiaries of the Reform Project are expected to include all electricity users (both rural and urban) and electricity utilities, whether Senelec or other rural electric grid operators. As previously described, even though the main beneficiaries in the economic analysis are the electricity consumers, project impacts will specifically be analyzed in terms of actions and performance of players of the sector.

¹⁹ These categories of beneficiaries are defined based on the following daily consumption levels (in dollars PPP 2011): extremely poor: less than 1.90 dollar; poor: 3.20 dollars; and almost poor: between 3.20 and 5.50 dollars.

²⁰ See note 21.

²¹ Source: General census of business.

MONITORING COMPONENT

Summary of Monitoring Strategy

The program will be monitored systematically through indicators and progress will be reported regularly during implementation. Monitoring data will be analyzed to allow managers of MCA Senegal II and MCC to make programmatic adjustments as necessary with a view towards improving the overall implementation and results of the program.

An indicator is mapped to each result in the project logic diagram to track the project logic over time. MCC M&E distinguishes between four indicator levels: outcome, output, process, and risk/assumption. They are defined below:

Outcome Indicator - An indicator that measures a targeted result of an intervention's outputs. Often many outcome indicators are not monitored during the life of the program but rather are reported through evaluations after the program is complete.

Output Indicator - An indicator that measures the goods or services produced as the direct result of the expenditure of program funds.

Process Indicator - An indicator that measures progress toward the completion of an activity, a step toward the achievement of project outputs and serves as a way to ensure the work plan is proceeding on time.

Risk/Assumption Indicator – An indicator that measures a risk or assumption in the project logic.

To ensure that the program is on track to meet its objectives, the indicators will be measured against established baselines and targets, derived from ex-ante cost-benefit analysis, other types of analysis, and project design documents. The baseline is the value of an indicator prior to a development intervention, against which progress can be assessed or comparisons made. The target is the expected value for a particular indicator at a particular time and reflects the underlying assumptions made in project design about what the project will likely achieve.

MCC uses common indicators to consistently measure progress across programs in key sectors and report those results to internal and external stakeholders. MCC's relevant common indicators are included in this M&E Plan.

The Indicator Documentation Table defines each indicator by project and can be found in Annex I. Baselines and targets for each indicator are defined in Annex II.

MCA's M&E and EA units shall consult and assist implementing entities in setting up their data collection plan and reporting templates to report on the relevant indicators included in this plan.

Standard Reporting Requirements

Monitoring reports will be periodically generated for MCC and stakeholders. These include:

Reporting to MCC: Quarterly Disbursement Request Package

Performance reports serve as a vehicle by which the MCA management informs MCC of implementation progress and on-going revisions to project work plans. Currently, MCC requires that MCA submit a Quarterly Disbursement Request Package (QDRP). The QDRP must contain an updated ITT and a narrative report. A complete ITT presents the preceding quarters' indicator actuals and current quarter indicator progress against targets set forth in this M&E Plan.

The ITT is the main source for MCC and MCA's internal and external reporting on indicator progress during implementation.

Additional guidance on reporting is contained in MCC's [Guidance on Quarterly MCA Disbursement Request and Reporting Package](#).

Reporting to MCA and Local Stakeholders

Even though the QDRP is required to be sent to MCC, MCA is also expected to use these reports and the data included in them to internally assess progress and performance. The M&E teams attempt to align MCC and MCA reporting so that data is used to inform decision-making at both levels.

Reporting to MCA- Senegal II Board of Directors

The M&E team will submit performance reports to MCA-Senegal II Board of Directors on a quarterly basis. These reports will be on implementation progress and results. Reports will include the ITT and other documents that will help describe the progress toward the Compact objectives. These updates may include recommendations on implementation for MCA-Senegal II Board consideration.

Data Quality Reviews

As a data-driven agency, MCC is committed to ensuring all data used in the development, implementation, and evaluation of a project are of good quality. Data quality is essential for maintaining a high level of confidence in MCC's decision making as well as for transparent reporting of MCC's results.

The quality of ITT data is the primary responsibility of the MCA-Senegal II personnel, led by the MCA M&E and EA team. The M&E team, other MCA staff, as appropriate, and implementing entities are expected to regularly check data quality. The M&E team should verify that all reported data has an appropriate source of documentation and calculations have been done correctly. The

MCA-Senegal II M&E team will conduct field visits on a regular basis or whenever requested by MCC, to review the quality of the data gathered through this M&E Plan. MCA-Senegal II may hire individual data quality reviewers to control data collection and quality, as needed.

In addition to regular data quality checks by MCA staff, independent Data Quality Reviews (DQRs) will be conducted in accordance with the requirements of the MCC M&E Policy.

The objectives of Data Quality Review (DQR) studies are to assess the extent to which data meets the standards defined in the MCC M&E Policy in the areas of validity, reliability, timeliness, precision, and integrity. DQRs will be used to verify the consistency and quality of data over time across implementing agencies and other reporting institutions. DQRs will also serve to identify where the highest level of data quality is not possible, given the realities of data collection.

Note that evaluators are expected to conduct assessments of the quality of all data that will be used as part of the evaluation. Additional MCA-driven data quality reviews of that data are not required.

Each internal or independent DQR will be thoroughly documented in a report that describes any noted gaps or weaknesses with respect to the data quality standards. The report should also make recommendations for remedying these issues where possible. Where a remedy is not possible or cost-effective, the report should identify replacement indicators or data sources that will address the noted weakness.

A pre-implementation DQR was conducted between January 2020 and April 2021 which reviewed eight indicators for the Transmission Project, eighteen for the Access Project, and twenty-five for the Reform Project. The study identified shortcomings in M&E skills of personnel and data systems of the entities responsible for reporting against the Compact's indicators. The proposed recommendations were to strengthen processes, formats, and models; develop M&E capacities; and strengthen equipment, systems, and infrastructure. To implement these recommendations, MCA selected Société pour le Développement International (SDI) in March 2023 to strengthen M&E capacity among reporting entities.

MCA Senegal II is responsible for ensuring that recommendations produced by DQRs and approved by MCC are implemented. After the data quality report is finalized, MCA must create an action plan that clearly identifies which of the DQR recommendations MCA will implement, as well as an associated timeline and the next steps for implementing them. This action plan must be submitted in English and reviewed by MCC. Once cleared by MCC, the DQR action plan will be made publicly available on MCA's website, either as an addendum to the M&E Plan or as an independent document. The action plan from the first DQR was published on MCA's website in August 2022. The action plan following the second DQR will be published after its completion.

Beyond Performance Monitoring

Traditional monitoring is focused on predetermined activities and results to assess implementation progress and expected outcomes as described above. This approach is particularly valuable when the intervention can be defined quantitatively (e.g., length of distribution lines constructed) and is unlikely to change. It allows project managers at any given time to know the extent to which implementation is meeting predetermined benchmarks for progress.

This monitoring approach has limitations. It can emphasize accountability toward predetermined activities over within-project learning and is more responsive to reporting requirements than to program needs. Performance indicators that map results in the project logics are often insufficiently operational and timely to be useful to project managers. The focus on activities and results defined during project design is not well-suited for dynamic projects and can even constrain adjustments that are necessary to achieve the Project Objective. Finally, this monitoring alone is not able to explain the key factors enabling or hindering the achievement of outcomes, especially those that are outside the project's sphere of influence or control. The MCA-Senegal II M&E team will pilot monitoring approaches to address these limitations. Drawing from existing approaches, the MCA-Senegal II M&E team will develop its own approach within the first year of the Compact. Some of the expected principles and features include:

- **Informative for decision-making.** Inquiry should be structured to better understand the problem that the project is seeking to address, generate lessons learned from implementation, and facilitate strategic adjustments to previous plans. It should be timely and relevant for project implementers. Best practices in facilitation should be used to help different individuals build collective understandings from the data and to guide those actors toward action.
- **Attentive to the context.** Context refers to the 'critical conditions required to facilitate the implementation and produce the effects' (Rey, 2011). They are the problems in the problem tree that project does not seek to influence (Renger et al., 2015).
- **Documentation.** The team's understanding of the problem, the context, and its strategic approach will evolve over time. Documenting these changes ensures that project meetings are building off one another with a common understanding of the project's evolution. Documentation also helps future independent evaluators understand what was implemented and how.
- **Close collaboration between implementers and the M&E team.** This approach blurs the line between implementers and M&E staff as data feeds into real-time decision-making. Data collection would be a shared responsibility among staff, and M&E would not be impartial and independent.
- **Evaluative thinking.** The data collection is a continuous process done by a variety of individuals, including MCA staff. Project staff are encouraged to question assumptions, pose thoughtful questions, and pursue deeper understanding through reflection and perspective taking, and inform decisions in preparation for action. (Buckley, J. et al., 2015). Project staff should also be open, alert, and inquisitive (Chambers, 2015).

- **Plural perspectives and multi-stakeholder analysis.** Data should reflect a variety of perspectives, not only those of implementation teams and individuals in formal authority positions, but individuals working in the sector at lower levels of the organizational hierarchy, citizens, and individuals with independent perspectives such as journalists, community leaders, or activists. The perspective of women, men, youth and poorer populations should all be incorporated.
- **Plural methodology and methods.** This approach to monitoring does not favor any specific methodology or method but should incorporate those that are most useful. Data should be of multiple sources. Qualitative data sources include implementation reports, press articles, interviews, direct observations, or videos. Quantitative data includes administrative data from electricity operators and high-frequency survey data. Furthermore, there should be different people collecting data. It is not the exclusive job of impartial and external consultants to collect data. Project implementers and even project participants should be involved in data collection.

2024 Update: MCA selected ID Insight in March 2024 as the learning agenda consultant. MCA is in the process of developing agreements with two Senegalese universities to involve masters and PHD students in the research conducted under the learning agenda consultancy.

EVALUATION COMPONENT

Summary of Evaluation Strategy

While good program monitoring is essential for program management, it is not sufficient for assessing the achievement of expected project results. Therefore, MCC and MCA Senegal II use evaluation as a tool to better understand the effectiveness of its projects. Evaluation is the systematic collection and analysis of information about the characteristics and outcomes of a project. Detailed guidelines and standards for the preparation, review, and dissemination of evaluations are set forth in MCC's Evaluation Management Guidance.

According to the MCC M&E Policy, every project in a program must undergo an independent evaluation to assess whether it achieved its stated objective. For each of these evaluations, an evaluation firm is contracted by MCC. MCC and MCA Senegal II are committed to ensuring that the independent evaluations are rigorously designed to measure the expected results of each project. Each evaluation must answer the following questions:

1. To what extent was the project implemented according to plan (in terms of quantity and quality of outputs)?
2. Did the project achieve its stated objective in the timeframe and magnitude expected, as documented in the current M&E Plan? Why or why not?

MCC's evaluation review process will follow the guidelines outlined in the MCC M&E Policy.

For each independent evaluation, MCA Senegal II is responsible for building local ownership and commitment to the evaluation, oversight of the data collection firm, quality control of evaluation activities, and local dissemination of evaluation results. MCA Senegal II is designing and managing a “learning agenda”, which should complement and enhance the independent evaluations.

In accordance with the MCC M&E Policy, the results of each evaluation will be disseminated through stakeholder report reviews and presentations. The associated reports, data collection materials, and data sets will be made publicly available on MCC’s website.

Independent Evaluation Plans

The following table summarizes the planned independent evaluations for this program. More detail on each evaluation follows.

Evaluator name	Evaluation Type	Evaluator	Primary/Secondary Methodology	Final Report Date
Transmission Project Evaluation	Performance	Mathematica	Pre-post, implementation analysis, interrupted time series (if certain conditions are met), modelling	June 2030
Access Project Evaluation	Performance and Impact	Social Impact	Pre-post, interrupted time series for assessing Distribution Network Reinforcement activity outcomes	September 2029
Reform Project Evaluation	Performance	Social Impact	Pre-post	January 2030

Modernizing and Strengthening Senelec’s Transmission Network Project

Scope

This evaluation will answer the following two core evaluation questions:

1. To what extent was the project implemented according to plan (in terms of quantity and quality of outputs)?
2. Did the project achieve its objective, to provide quality electricity from the lowest cost sources available to Senelec to meet the growing demand on the interconnected network in Senegal, in the timeframe and magnitude expected? Why or why not?

The answer to the first part of the second evaluation question will be based on the objective-level indicator(s) described in Annex I and II. All results in the project logic of achieving the objective should be analyzed to assess the “Why or why not?”. The project team’s rationale for setting the objective targets is documented in Annex II.

Methodology

The evaluation is expected to be a performance evaluation relying on a pre-post methodology and modeling to assess the achievement of the objective. The evaluation may include an interrupted time series impact evaluation methodology if certain conditions are met to assess short-term changes in the quantity and quality aspects of the Project Objective.

More details on the design of this evaluation will be provided in the independent evaluator's Evaluation Design Report (EDR) after the EDR is finalized and published.

Data Sources and Timelines

This section will be completed after the EDR is finalized and published.

Increasing Access to Electricity in Rural and Peri-Urban Areas Project Evaluation

Scope

This evaluation will answer the following core questions:

- *Did the project increase the supply and demand for quality electricity in rural and peri-urban areas of Senegal in the timeframe and magnitude expected, as documented in the current M&E Plan? Why or why not?*

The answer to the first part of this question will be based on the objective-level indicator(s) described in Annex I and II. The second part of the question will be answered by analyzing the remaining indicators in the project logic, as also described in Annex I and II. The project team's rationale for setting the objective target of 2,711,291 kWh of domestic use and 2,885,347 kWh of productive use electricity consumption by 2029 is documented in Annex II.

Methodology

The evaluation is a performance evaluation relying on pre-post methodology to assess achievement of the objective. The evaluation will also use an interrupted time series analysis of data collected through GridWatch sensors to assess key grid indicators of the Distribution Network Reinforcement Activity.

Data Sources and Timelines

The evaluation will collect and/or analyze data from the following sources and produce the following reports:

Name of Data Source	Data Collection Timing	Report Name	Report Publication Timing
Baseline Household Access Survey	Mid 2024	Baseline Report	Early 2025
Baseline Enterprise Access Survey	Mid 2024		

Name of Data Source	Data Collection Timing	Report Name	Report Publication Timing
Baseline Community Access Survey	Mid 2024		
GridWatch Sensors	Mid 2024		
Senelec Admin Data	2024		
Baseline Interviews	Mid 2024		
EQ1 Endline Direct Observations	Mid 2026	EQ1 Endline Memo	Late 2026
Senelec AdminData	2024 to 2026		
EQ1 Endline Interviews	Mid 2026		
Endline Household Access Survey	Early 2029	Final Report	Late 2029
Endline Enterprise Access Survey	Early 2029		
Endline Community Access Survey	Early 2029		
GridWatch Sensors	Mid 2024 to mid-2027		
EQ2 Endline Direct Observations	Early 2029		
Senelec Admin Data	2026-2029		
EQ2 Endline Interviews	Early 2029		

For more detail on the design of this evaluation, please see the independent evaluator’s Evaluation Design Report available here: <https://mcc.icpsr.umich.edu/evaluations/index.php/catalog/15628>

Project Power Sector Enabling Environment and Capacity Development Project

Scope

This evaluation will answer the following two evaluations questions:

1. To what extent was the project implemented according to plan (in terms of quantity and quality of outputs)?
2. Did the Project “create an enabling environment to improve the financial viability of, and to ensure good governance in, the power sector, with the intent of improving the quality and quantity of the electricity supply” in the timeframe and magnitude expected, as documented in the M&E Plan? Why or why not?

The answer to the first part of the second question will be based on the objective-level indicator(s) described in Annex I and II. The second part of this question will be answered by analyzing the remaining indicators in the project logic, as also described in Annex I and II, as well as contextual factors that are found to contribute to changes in the objective-level indicators. The project team’s rationale for setting the objective target of a 5.28-point increase in integrated investment planning practices by 2028, a 0.46 increase in the regulatory governance index by 2028, 40 formal rules adopted by 2028, an 8-

percentage point increase (for Senelec) and 11.25 percentage point increase (for concessionaires) in operating cost-recovery ratio by 2028, a 67.2-percentage point increase (for Senelec) and 68.11 percentage point increase (for concessionaires) in operating cash flow ratio by 2028, and a 1.39% increase in net return on equity (for Senelec) by 2028 is document in Annex II.

Methodology

The evaluation is expected to be a performance evaluation relying on pre-post methodology to assess achievement of the objective.

More detail on the design of this evaluation will be provided in the independent evaluator's Evaluation Design Report (EDR) after it is finalized and published.

Data Sources and Timelines

This section will be completed after the EDR is finalized and published.

Projects without Evaluations

All three projects will be evaluated.

IMPLEMENTATION AND MANAGEMENT OF M&E

Responsibilities

This section describes the M&E responsibilities of the accountable entity, MCC, and the government after the program has ended.

Accountable Entity

The MCA-Senegal II M&E team is composed of a Director of Monitoring, Evaluation, and Economic Analysis who has the key responsibility of leading and managing all M&E activities; and three managers who support the Director in performing M&E and EA activities. Additionally, the M&E team will hire short-term support on an as needed basis. The M&E team will carry out or hire consultants to complete the following and other related activities:

- Lead the development and periodic updates of the M&E Plan, in accordance with MCC policies and guidelines and in coordination with MCC and relevant stakeholders.
- Direct implementation of all activities laid out in the M&E Plan and ensure all requirements of the M&E Plan are met by MCA.
- As the champion of results-based management, the M&E team will take steps to foster a results-oriented culture throughout MCA and its implementing partners—this includes making sure that M&E information is used by the MCA management and project teams to improve Compact performance (feedback loop).
- Ensure that the M&E Plan is modified and updated as improved information becomes available.
- Oversee development and execution of an M&E system (including data-collection, data-analysis and reporting systems) integrated with the MCC Management Information System (MIS).

- Elaborate and document M&E policies, procedures, and processes in a guidance document to be used by all MCA-Senegal II staff and project implementers.
- Communicate the M&E Plan and explain the M&E system to all key stakeholders involved in the Compact, particularly project managers, to ensure a common understanding by all. This could take the form of orientation and capacity building sessions and could focus on issues such as:
 - Explaining indicator definitions, data collection methods and timing/frequency of data collection and reporting,
 - Data quality controls and verification procedures, and
 - Impact evaluation questions and methodology, etc.
- Develop and use a documentation system to ensure that key M&E actions, processes, and deliverables are systematically recorded. This may be accomplished either as part of the M&E information system or independently. The documentation may encompass the following elements:
 - Indicators and material evidence for reported values,
 - M&E Plan versions,
 - Reporting manuals and templates, and
 - Key M&E deliverables, including Terms of Reference (TORs), contracts/agreements, data collection instruments, reports/analyses, etc.
- Develop and implement a systematic results dissemination approach that draws on verified ITT data.
- Organize and oversee regular independent data quality reviews on a periodic basis to assess the quality of data reported to MCA.
- Participate in project monitoring through site visits, review of project reports and analysis of performance monitoring and other data.
- Update the M&E work plan periodically.
- Manage the M&E budget efficiently.
- Contribute to the design of the evaluation strategy.
- Collaborate with the procurement team to prepare and conduct procurement of M&E contracts.
- Ensure that data collection mechanisms are designed to collect data disaggregated by sex and other dimensions, as applicable and practical, and that the findings are presented at the appropriately disaggregated level.
- Ensure data collection, storage, and dissemination activities maximize protection of confidentiality of survey respondents' personally identifiable information. This may require:
 - Facilitating the obtainment of authorizations from the Data Protection Commission for data collection.
 - Facilitating access to sample frames from the National Statistics Agency (ANSD);
 - Using lock and key cabinets for paper files.
 - Using secure file transfer systems.
 - Encrypting data files.
 - Employing password protection on data systems and data encryption.
 - Requiring signed acknowledgments of roles and responsibilities.

- Requiring relevant stakeholders to sign non-disclosure agreements, and
- Incorporating data protection standards into the organization records management procedures, or if necessary, developing records management procedures that include such standards.

The M&E Director will be a part of MCA-Senegal II Management team, composed from MCA leadership, Project Directors, and other Directors. Collaboration with the procurement team will be very important to prepare and conduct timely procurement of M&E related contracts as well as ensuring that other implementation contracts contain necessary data reporting provisions.

Seminars, workshops, elaboration and distribution and dissemination of M&E materials shall be conducted in close cooperation with the MCA Communications team.

Millennium Challenge Corporation

MCC will carry out the following aspects of M&E:

- Support the MCA M&E team by providing technical assistance on the above-mentioned tasks, notably:
 - Support in the development and updating of the M&E Plan, including facilitating discussions with the MCC country team, and drafting and maintaining the following sections: Economic Analysis, Participants and Projected Beneficiaries, and the Evaluation Component.
 - Participate in all Data Quality Reviews, including attending associated workshops and providing technical expertise on all deliverables.
- Manage high-quality independent evaluations
 - Develop the scope of work and procure one or more independent evaluators.
 - Fund and manage evaluator contract(s).
 - Convene MCC's Evaluation Management Committee to review key evaluation deliverables and make decisions about the evaluation design and implementation.
 - Facilitate evaluation coordination with the accountable entity, implementers, and other local stakeholders.
- Review and clear on ITTs as part of the Program Quarterly Disbursement Request Packages, plus flag for the MCC country team any risks to results found in ITT data.
- Maintain close collaboration and integration between M&E and the MCC country team to ensure that M&E's data and analysis is accurate, up-to-date, and supports evidence-based project design and management.
- Clear on the use of M&E funds and procurements.
- Package ITT data and evaluation results for learning and lead dissemination efforts to inform MCC decisions.

Government Post-Program

To prepare for post-Compact monitoring by the Government, the MCA-Senegal II M&E team should identify during the implementation a post-Compact Government point of contact (POC) for

MCC earlier on in the program and work with that POC to build understanding of the MCC program and M&E process. This POC should be part of the Government entity that will be responsible for continuing the M&E activities of Compact investments after its end date. The M&E team should also identify the Government entity that will be responsible for reviewing evaluation reports that are delivered post-Compact (e.g., project leads), to ensure that the relevant project stakeholders review and provide relevant comments prior to the publication of final reports.

Specifically, after the program the Government will:

- support the collection of primary data or efforts to obtain secondary data from other stakeholders
- commit to reviewing evaluation deliverables that are submitted post-program
- facilitate review of post-program evaluation deliverables by relevant project stakeholders
- support dissemination of evaluation results.

This section will be updated with Government commitments related to dissemination (such as providing venues for and organizing dissemination presentations) before closure.

Review and Revision of the M&E Plan

The M&E Plan is designed to evolve over time, to ensure the plan remains up to date and consistent with design documents and project work plans, and to incorporate lessons learned for improved performance monitoring and measurement. The M&E Plan must be kept as current as possible, including conducting revisions as needed and feasible. At a minimum, one comprehensive review of the M&E Plan, with related updates and revisions, must take place during the life of the program. M&E Plans must be reviewed and amended, if appropriate, after a modification to the program's scope has been approved by MCC in accordance with its Policy on the Approval of Modifications to Compact Programs. MCC may withhold disbursements of program funding if the M&E Plan is not being kept up to date.

MCC M&E distinguishes between major and minor changes to the M&E Plan (i.e., modifications) and major and minor M&E Plan revisions. Major modifications are limited to changes to the project logics, baselines, targets, and indicator definitions, adding new indicators and retiring existing indicators. All other modifications are considered minor. Those major modifications, as well as a justification for why the change was made (for changes to indicators only), must be documented in Annex III of this M&E Plan. This Annex summarizes all major modifications between program signing and the current version of the M&E Plan. Minor modifications are not required to be tracked in Annex III.

The revision and approval process must follow the MCC M&E Policy.

M&E BUDGET

The budget for the implementation of the proposed M&E activities for the five-year term of the Compact is \$14.4 million. The budget covers data collection and survey activities, capacity building and assistance for implementing entities and M&E staff, data quality review studies, performance indicators monitoring activities, and general M&E support.

The M&E budget does not include expenses related to the M&E staff whose salaries and field trips are included in the administrative budget of the Compact. This budget equally excludes costs for workshops organized as part of the M&E activities. The budget should not exceed the above-mentioned total amount over the five years, but the distribution of funding between budget lines and years may be adjusted based on the results of the M&E Plan or quarterly reviews if needed. The budget line items themselves may change.

While the resources for the implementation of surveys are allocated by MCA-Senegal II from the Compact funds, the evaluation design and analysis are to be funded directly by MCC. MCC is expected to commit 2% of the Compact budget to fund independent evaluations.

Monitoring & Evaluation Work Plan

The MCA-Senegal II M&E team will develop an M&E work plan based on activities proposed in the M&E budget. This work plan will cover the five-year Compact term. The main activities may include capacity development services for the MCA-Senegal II M&E team and implementing entities, studies, remote monitoring equipment, and software. The M&E work plan will be developed and available during the second quarter of the Compact implementation and updated at least once a year.

ANNEX I: INDICATOR DOCUMENTATION TABLE

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
1. Modernizing and Strengthening of Senelec Transmission Network Project												
Objective: Customers experience fewer and shorter service interruptions and voltage fluctuations		TPZ01	Outcome	Load shedding events experienced by customers	Number of load shedding events recorded in a year.	Number	Power source type (Manual/Automatic)	Energy Management System (EMS)	Lead Department of Networks (DPR)/Direction Analyse Normalisation Qualité de Service (DANQS)	Quarterly	ITT indicator	Attributing electricity quality improvements to the project alone may not be feasible given the importance of external factors including medium and low voltage network performance. The disaggregation type refers to the nature of the load shedding event.
Objective: Customers experience fewer and shorter service interruptions and voltage fluctuations		TPZ02	Outcome	Non-distributed energy on the network	The quantity of network electricity that should have been delivered to customers if the flow had not been interrupted or reduced due to lack of generation, a generation incident, works, or overloading.	Megawatt hours	Voltage level (LV/MV, HV)	EMS	DPR/DANQS	Quarterly	ITT indicator	This indicator is also related to the Reform Project result: "Increased reliability of electricity supply." While data will be collected at all voltage levels, the Project's effect will be most direct at the HTB or HV level. Attributing electricity quality improvements to the project alone may not be feasible given the importance of external factors including medium and low voltage network performance. MV and LV is for under 30 Kv voltage level. HV includes generation and 90 Kv and 225 Kv voltage levels.
Objective: Customers experience fewer and shorter service interruptions and voltage fluctuations		TPZ03	Outcome	Customers experiencing at least one service interruption	[Sum of customers stating they have experienced at least one service interruption in the last seven days based on a representative sample of all electricity customers in Senegal / total number of survey respondents] X 100.	Percentage	Voltage level (LV Domestic/LV Business/MV/HV); Senegal II Plant ownership (Senelec/CER)	Phase III Survey Wave Reports	MCA Baseline Study Consultant (Mathematica)	Semi-Annual	ITT indicator	Attributing electricity quality improvements to the project alone may not be feasible given the importance of external factors including medium and low voltage network performance.
Objective: Customers experience fewer and shorter service interruptions and voltage fluctuations		TPZ04	Outcome	Average number of service interruptions experienced	[Sum of service interruptions in the last seven days reported by a representative sample of all electricity customers in Senegal / total number of survey respondents].	Number	Voltage level (LV Domestic/LV Business/MV/HV); Senegal II Plant ownership (Senelec/CER)	Phase III Survey Wave Reports	MCA Baseline Study Consultant (Mathematica)	Semi-Annual	ITT indicator	Attributing electricity quality improvements to the project alone may not be feasible given the importance of external factors including medium and low voltage network performance.
Objective: Customers experience fewer and shorter service interruptions and voltage fluctuations		TPZ05	Outcome	Average duration of service interruptions experienced	[Sum of the average duration of all service interruptions in the last seven days reported by a representative sample of all electricity customers in Senegal / total number of service interruptions reported].	Hours	Voltage level (LV Domestic/LV Business/MV/HV); Senegal II Plant ownership (Senelec/CER)	Phase III Survey Wave Reports	MCA Baseline Study Consultant (Mathematica)	Semi-Annual	ITT indicator	Attributing electricity quality improvements to the project alone may not be feasible given the importance of external factors including medium and low voltage network performance.
Objective: Reduced generation costs		TPZ09	Outcome	Average kWh generation cost	Weighted average of generation costs from all sources. [Sum of the total generation costs amounts of all sources / total electricity generated].	CFA Francs	Power source type (Fuel/Coal/Solar/Wind/Hydro/Gas)	Energy Management System (EMS)	DPR/DANQS	Annual	ITT indicator	Attributing electricity quality improvements to the project alone may not be feasible given the importance of external factors including medium and low voltage network performance.
Improved network reliability and stability	P-21	TPZ07	Outcome	System Average Interruption Duration Index (SAIDI)	Sum of durations, in customer-hours, of all customer interruptions in a quarter / Total number of customers connected to network in the same quarter.	Hours		Integrated Database Management System (IDMS), SIR	DPR/DANQS	Quarterly	ITT indicator	Senelec only has the capability to measure this indicator at the distribution network level in Dakar. Attributing electricity quality improvements to the project alone may not be feasible given the importance of external factors including medium and low voltage network performance.
Improved network reliability and stability	P-22	TPZ08	Outcome	System Average Interruption Frequency Index (SAIFI)	Sum of customer-interruptions in a quarter / Total number of customers connected to network in the same quarter.	Rate		IDMS, SIR	MCA Reform Project Team/DANQS	Quarterly	ITT indicator	Senelec only has the capability to measure this indicator at the distribution network level in Dakar. Attributing electricity quality improvements to the project alone may not be feasible given the importance of external factors including medium and low voltage network performance.
Improved network reliability and stability		TPZ25	Outcome	Customer perception of service quality	[Sum of customers stating they have 'very good' or 'good' perception of the quality of the electricity services based on a representative sample of all electricity customers in Senegal / total number of survey respondents] x 100.	Percentage	Voltage level (LV Domestic/LV Business/MV/HV); Senegal II Plant ownership (Senelec/CER)	Phase III Survey Wave Reports	MCA Baseline Study Consultant (Mathematica)	Semi-Annual	ITT indicator	Attributing electricity quality improvements to the project alone may not be feasible given the importance of external factors including medium and low voltage network performance.

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
N/A (Process Indicator)	P-5	TPZ10	Process	Temporary employment generated in power infrastructure construction	The number of people temporarily employed or contracted by MCA-contracted construction companies to work on construction of new power infrastructure or reconstruction, rehabilitation, or upgrading of existing power infrastructure.	Number	Sex (Female/Male); Labor source (Foreign/Local); Skill level (Skilled/Semi-skilled/Un-skilled)	Construction contractor human resource records	MOSES Consultant	Quarterly	ITT indicator	This indicator also for infrastructure under the Access Project. While this indicator does not have targets, there is an ambition of having 15% of skilled jobs go to women and youth during the first year of construction and 30% by the end of the activity.
1.1 Transmission Network Build Out Activity												
Objective: Increased quantity of electricity transmitted and distributed on the interconnected network		TDZ11	Outcome	Additional energy transmitted and distributed in the Dakar peninsula	Incremental energy transmitted in MWh in Dakar annually due to Transmission Network Build-out Activity. It's the additional load at the fourteen substations in the Dakar peninsula. This is calculated by subtracting the maximum load the 14 Dakar substations can manage (574.8 Gwh) from the actual energy departing that substation in a given period. The load flow model estimated the maximum load would be attained in 2023.	Megawatt hours		Energy Management System (EMS)	DPR/DANQS	Quarterly	ITT indicator	Substations: CAP-DES-BICHES, SOCOIM, KOUNOUN, SOCOIM SENELEC, SDE USINE DE DESSALEMENT, BEL-AIR, HANN, MBAO, AÉROPORT, UNIVERSITÉ, CENTRE-VILLE, GUÉDIWAYE, TER, SICAP.
Undersea cables and underground transmission lines/circuits constructed	P-7	TDZ12	Output	Kilometers of transmission lines upgraded or built	The sum of linear kilometers of new, reconstructed, rehabilitated, or upgraded transmission lines that have been energized, tested and commissioned with MCC support.	Kilometers	Transmission line type (Undersea/Underground)	Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
Undersea cables and underground transmission lines/circuits constructed	P-8	TDZ13	Output	Transmission throughput capacity added	The increase in throughput capacity, measured in megawatts, added by new, reconstructed, rehabilitated, or upgraded transmission lines that have been energized, tested and commissioned with MCC support.	Megawatts		Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
Substations constructed or expanded		TDZ14	Output	Substations constructed or expanded	Sum of air-insulated and gas-insulated substations constructed or expanded with MCC support.	Number	Investment type (Constructed/Expanded)	Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
Transformers added		TDZ15	Output	Transformers added	The sum of transformers that are added with MCC support as part of the Transmission Network Build-out Activity.	Number		Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
Transmission substation capacity added	P-9	TDZ16	Output	Transmission substation capacity added	The total added transmission substation capacity, measured in megavolt amperes, that is energized, commissioned and accompanied by a test report and supervising engineer's certification resulting from new construction or refurbishment of existing substations that is due to MCC support.	Megavolt ampere		Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	This line is just for the Dakar Network Activity.
1.2 Transformer Replacement Activity												
Objective: Increased electricity quantity transmitted and distributed on the interconnected network		TTZ17	Outcome	Additional energy transmitted from added transformers	Incremental energy transmitted annually through the Touba, Diass, Hann, and Aeroport substations, net of transformer losses as result of MCC's investment. This is calculated by subtracting the maximum load the substation can manage from the actual energy departing that substation in each period.	Megawatt hours	Senegal II substation (Touba/Diass/Hann/Aero port)	Energy Management System (EMS)	DPR/DANQS	Quarterly	ITT indicator	
Reduced congestion on overutilized lines and substations		TTZ18	Outcome	Substation overloading	[Weighted average of the Non-coincident Peak Load (MVA) of the Touba, Diass, Hann, and Aeroport substations / Weighted average of the Firm Capacity in Contingency (N-1) (MVA) the Touba, Diass, Hann, and Aeroport substations] X 100.	Percentage	Senegal II substation (Touba/Diass/Hann/Aero port)	Energy Management System (EMS)	DPR/DANQS	Annual	ITT indicator	
Transformers upgraded or replaced		TTZ20	Output	Transformers upgraded or replaced	The sum of transformers that are upgraded or replaced with MCC funding through the Transformer Replacement Activity.	Number		Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
Transmission substation capacity added	P-9	TTZ21	Output	Transmission substation capacity added	The total added transmission substation capacity, measured in megavolt amperes, that is energized, commissioned and accompanied by a test report and supervising engineer's certification resulting from new construction or refurbishment of existing substations that is due to MCC support.	Megavolt ampere		Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
1.3 Grid Stabilization Activity												
Increased integration of intermittent energy		TSZ22	Outcome	Electricity from intermittent sources	[Electricity transmitted on the interconnected network from solar and wind power plants / all energy transmitted on the interconnected network excluding electricity from gas power plants] X 100.	Percentage		Energy Management System (EMS)	MCA Reform Project Team/DANQS	Annual	ITT indicator	Intermittent sources are ones for which electricity is not consistently available and predictable. For this indicator, this only includes solar and wind sources.
Increased integration of intermittent energy		TSZ23	Outcome	Capacity factor of solar energy power plants	((Net annual electricity generated (MWh) from solar power plants / (24 hours*365.25 days)) / Installed capacity of solar power plants (MW)) X 100.	Percentage		Energy Management System (EMS)	MCA Reform Project Team/DANQS	Annual	ITT indicator	

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Increased integration of intermittent energy		TS224	Outcome	Capacity factor of wind energy power plants	((Net annual electricity generated (MWh) from wind power plants / (24 hours*365.25 days)) / Installed capacity wind power plants (MW)) X 100.	Percentage		EMS, SIP, DANQS database	MCA Reform Project Team/DANQS	Annual	ITT indicator	
Increased integration of intermittent energy		TS225	Outcome	Intermittent energy curtailment	Planned quantity of electricity generated from all solar and wind sources in a year minus the Actual quantity of electricity generated from solar and wind sources in a year.	Megawatt hours	Plant ownership (Independent Power Producer/Government-owned), Power source type (Solar/Wind)	Energy Management System (EMS)	Senelec and IPPs	Quarterly	ITT indicator	
Voltage fluctuations controlled and reduced		TS226	Outcome	Voltage stability	[Number of hours during which the voltage is +/- 5% of the acceptable level on 225 kV and 90 kV lines / divided by number of hours in the period] X 100. Senelec currently (2021) measures this indicator at four substations: Bel Air, Sococim, Tobène, and Kaolack.	Percentage		EMS	MCA Reform Project Team/DANQS	Quarterly	ITT indicator	
Frequency fluctuations controlled and reduced		TS227	Outcome	Frequency stability	Number of hours during which the frequency level is between 49.8 Hz and 50.2 Hz / number of hours during the period] X 100.	Percentage		EMS	MCA Reform Project Team/DANQS	Quarterly	ITT indicator	
Increased reserve availability		TS228	Outcome	Total battery capacity to required operating reserve capacity	The contribution of the storage batteries to the total reserve required for network stability within a maximum period of 10 minutes. Total capacity of the acquired batteries (MW-MWh) / the total required capacity of the batteries (80 MW-80 MWh) X 100.	Percentage		EMS	Senelec/the MCA Reform Project Team	Quarterly	ITT indicator	
Operating reserve strategies implemented		TS229	Outcome	Power generation capacity equipped with speed and voltage regulator	The sum of generation capacity in MVA with a speed and voltage regulator divided by the sum of all generation capacity times 100. Rental generation (e.g., Aggreko) and sub-regional units (Manatali, Felou) are excluded.	Percentage	Plant ownership (Independent Power Producer/Government-owned)	Provisional acceptance of works	Senelec focal point	Quarterly	ITT indicator	
Operating reserve strategies implemented		TS231	Outcome	Battery storage capacity installed	Total capacity in ampere-hours of battery storage.	Megavolt ampere		Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
Operating reserve strategies implemented		TS232	Outcome	Execution rate of the operating reserve strategy	The value of executed contracts supporting the operating reserve strategy / total estimated cost of the operating reserve strategy's action plan x 100.	Percentage		Senelec's operating reserve strategy status spreadsheet	Senelec	Quarterly	ITT indicator	
Increased dispatching from least cost energy sources		TS233	Outcome	Least-cost generation	Quantity of energy dispatched from 10% of the least expensive generation units in a quarter / Total quantity of energy dispatched in a quarter.	Percentage		Energy Management System (EMS)	MCA Reform Project Team/DANQS	Quarterly	ITT indicator	This is also an indicator for the Reform Project.
Reduced development of new thermal generation		TS234	Outcome	Thermal generation capacity development	(Number of megawatts in newly installed thermal generation capacity divided by total installed generation capacity in one year) x 100.	Percentage	Plant ownership (Independent Power Producer/Government-owned)	Senelec report on energy flows ("Rapport mouvements d'énergie")	DPR/DANQS	Annual	ITT indicator	
Operating reserve strategy developed and adopted		TS235	Output	Adoption date of operating reserve strategy	Date at which the operating reserve strategy is adopted.	Date		Letter from Senelec indicating adoption of Spinning Reserves Action Plan	Senelec focal point	Once	ITT indicator	Condition precedent per Compact Annex IV 1(a)(i)
Second circuit connecting Taiba Ndiaye wind farm to network added	P-8	TS298	Output	Transmission throughput capacity added	The increase in throughput capacity, measured in megawatts, added by new, reconstructed, rehabilitated, or upgraded transmission lines that have been energized, tested and commissioned with MCC support.	Megawatts		Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project												
Objective: Improved supply of and demand for quality electricity in rural and peri-urban areas of Senegal		AP201	Outcome	Electricity consumption for domestic use	The total Megawatt hours of electricity sold annually for domestic uses by the population gaining access to a legal electricity connection through the project.	Megawatt hours	Senegal II Sub-Activity (Tambacounda/Foundiougne/Nioro du rip, Bounkiling, and Medina Yoro Foulfa/Velingara)	Report produced by invoicing software	General Studies Department (DEG) and "Energie Rurale Africaine" (ERA)	Quarterly	ITT indicator	This indicator reflects household energy consumption. However, this can include revenue-generating activities/productive use purposes.

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Objective: Improved supply of and demand for quality electricity in rural and peri-urban areas of Senegal		APZ02	Outcome	Electricity consumption for productive use	The total Megawatt hours of electricity sold annually for business use by the population gaining access to legal electricity connection through the project.	Megawatt hours	Senegal II Sub-Activity (Tambacounda/Foundiougne/Nioro du rip, Bounkiling, and Medina Yoro Foulà/Velingara)	Report produced by invoicing software	DEG and ERA	Quarterly	ITT indicator	This indicator reflects energy consumption for self identified businesses. Household revenue-generating activities/productive use purposes are measured in the above indicator.
N/A (Process Indicator)	P-5	APZ03	Process	Temporary employment generated in power infrastructure construction	The number of people temporarily employed or contracted by MCA-contracted construction companies to work on construction of new power infrastructure or reconstruction, rehabilitation, or upgrading of existing power infrastructure.	Number	Sex (Female/Male); Labor source (Foreign/Local); Skill level (Skilled/Semi-skilled/Un-skilled)	Construction contractor HR records	Control engineer	Quarterly	ITT indicator	For skilled workers, the program is targeting 15% women and 15% youth. For unskilled workers, the target is 30% women and 30% youth. The source of these targets is the engineering contract.
2.1 Supply Side Activity												
Objective: Improved supply of and demand for quality electricity in rural and peri-urban areas of Senegal		AOZ04	Outcome	Electricity access in project areas	The population with effective access to electricity divided by the total population of the area. Effective access is defined as the population legally connected to the Senelec or ERA grid.	Percentage	Senegal II Sub-Activity (Tambacounda/Foundiougne/Nioro du rip, Bounkiling, and Medina Yoro Foulà/Velingara)	Monitoring and Evaluation System (SSE)	Direction des Etudes de la planification et du Système d'information Energétique (DEPSIE) / Ministry of Petroleum and Energy (MPE)	Quarterly	ITT indicator	This indicator is also related to the "Optimized access strategy in peri-urban and rural zones" outcome in the Reform Project. DEPSIE will use data provided by Agence National de la Statistique et de la Démographie (ANSD) to understand the total population of the zone.
Objective: Improved supply of and demand for quality electricity in rural and peri-urban areas of Senegal		AOZ06	Outcome	Customers added by project	The number of new customers that have gained access to a legal connection to electricity service from an electrical utility or service provider as a direct output of an MCC-funded project or intervention.	Number	Senegal II Sub-Activity (Tambacounda/Foundiougne/Nioro du rip, Bounkiling, and Medina Yoro Foulà/Velingara); Customer Class (Businesses/Households/Social Infrastructure)	Collection sheets from 'focal points of entities that produce and/or consume energy'	CEP/MPE	Quarterly	ITT indicator	This result is also an outcome of the Consumer Demand Support Activity.
Improved electricity coverage in intervention areas		AOZ03	Outcome	Electrified localities	The total number of localities electrified with MCC funding. A locality is considered electrified when there is at least one legal connection to the network.	Number	Senegal II Sub-Activity (Tambacounda/Foundiougne/Nioro du rip, Bounkiling, and Medina Yoro Foulà/Velingara)	Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
Medium and low voltage lines built and transformers installed	P-10	AOZ07	Output	Kilometers of distribution lines upgraded or built	The sum of linear kilometers of new, reconstructed, rehabilitated, or upgraded distribution lines that have been energized, tested and commissioned with MCC support.	Kilometers	Senegal II Regions (Central region/Southern region); Voltage Level (Three phase MV/LV)	Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	Central zone includes Fatik and Kaolack, and Southern region includes Tambacounda, Kolda and Sedhiou.
Medium and low voltage lines built and transformers installed		AOZ08	Output	Transformers installed	Total number of transformers installed with MCC support.	Number	Voltage level (25 kVA/50 KVA/100kVA/160 kVA)	Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
2.2 Consumer Demand Support Activity												
2.2.1 Education Campaign for Electricity Literacy Sub-Activity												
Good knowledge of standards and equipment with high energy efficiency		ADE09	Outcome	Consumer knowledge of energy efficiency standards and equipment	(Number of survey respondents stating that they have 'very good' or 'good' knowledge of energy efficiency standards and equipment divided by total number of survey respondents) x 100.	Percentage	Sex (Female/ Male); Customer class (Household/ Businesses)	Baseline study's access survey	"Baseline Study" consultant	Semi-Annual	Non-ITT indicator	
Adoption of electrical efficiency practices		ADE10	Outcome	Adoption rate of attitudes and practices related to energy efficiency equipment and standards	(Number of survey respondents stating that they are fully or partially adopting attitudes and practices related to energy efficiency equipment and standards divided by total number of survey respondents) x 100.	Percentage	Sex (Female/ Male); Customer class (Household/ Businesses)	Baseline study's access survey	"Baseline Study" consultant	Semi-Annual	Non-ITT indicator	
Adoption of electrical efficiency practices		ADE11	Outcome	Households using energy-efficient appliances	(The number of households using energy-efficient appliances divided by the total number of households with access to electricity in MCC intervention areas) x 100.	Percentage	Sex (Female/ Male)	Baseline study's access survey	"Baseline Study" consultant	Semi-Annual	Non-ITT indicator	

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Adapted subsidies meet the needs of low-income households		ADF24	Outcome	Satisfaction rate with subsidy	(Number of survey respondents stating that they are satisfied or very satisfied with subsidies divided by total number of survey respondents) x 100.	Percentage	Sex (Female/Male); Customer class (Household/Businesses)	Baseline study's access survey	"Baseline Study" consultant	Semi-Annual	Non-ITT indicator	
Increased use of electrical equipment		ADF25	Outcome	Productive-use electrical equipment users	(Number of households and businesses owning or renting at least one productive-use electrical appliance in the project's target departments / total number of households and businesses in these departments) x 100.	Percentage	Sex (Female/Male); Customer class (Household/Businesses)	Baseline study's access survey	"Baseline Study" consultant's secure data server	Semi-Annual	ITT indicator	
Grants awarded for productive use equipment		ADF28	Output	Grants awarded for productive use equipment	Number of grants awarded to subsidize productive use equipment in MCC intervention areas.	Number		Analysis report	Consultant facilitation for equipment	Quarterly	ITT indicator	
2.2.3 Supporting Connections Sub-Activity (Consumer Demand Support)												
Improved availability of equipment for connections		ADR28	Outcome	Perception of households of the availability of equipment for connections in MCC intervention areas	(Number of survey respondents stating that equipment for connections are 'very available' or 'available' divided by total number of survey respondents) x 100.	Percentage	Sex (Female/Male)	Baseline study's access survey	"Baseline Study" consultant	Semi-Annual	Non-ITT indicator	
Improved inventory management and availability of technical resources		ADR12	Outcome	Residual stock of meters in the laboratory	Number of residual stock of meters for the Access Project intervention zone.	Number		Commercial database of Senelec	Sales department	Quarterly	ITT indicator	
Improved inventory management and availability of technical resources		ADR30	Outcome	Time to first visit in the project intervention zone	Average number of days between when a new consumer makes initial demand and the day the operator conducts his first visit in the project intervention zone.	Days		Commercial database of Senelec/concessi onaires	Sales department	Quarterly	ITT indicator	
Improved inventory management and availability of technical resources		ADR31	Outcome	Time to connect in the project intervention zone	Average number of days between when a new customer pays the electricity service provider and when s/he is connected in the project intervention zone.	Days		Commercial database of Senelec/concessi onaires	Sales department	Quarterly	ITT indicator	
Improved communications and client relationships		ADR32	Outcome	Degree of customer satisfaction with the relationships and communication developed by electricity suppliers	(Number of survey respondents stating that they are very satisfied or satisfied with the electricity suppliers' client relations and communication divided by total number of survey respondents) x 100.	Percentage	Sex (Female/Male); Customer class (Households/Businesses)	Baseline study's access survey	"Baseline Study" consultant	Semi-Annual	Non-ITT indicator	
Increased number of qualified and competent electricians in interior wiring		ADR33	Outcome	Proportion of qualified and competent electricians in interior wiring in MCC's intervention areas	(Number of electricians qualified and competent in interior wiring/total number of electricians in MCC intervention areas) x 100.	Percentage	Sex (Female/Male)	Report for the interior wiring training	MCA Senegal II/Senelec	Semi-Annual	Non-ITT indicator	
Improved access of targeted customers to reliable service providers		ADR35	Outcome	Client satisfaction with providers	(Number of survey respondents stating that they are Very satisfied or satisfied with providers in rural areas divided by total number of survey respondents) x 100.	Percentage	Sex (Female/Male); Customer class (Households/Businesses)	Baseline study's access survey	"Baseline Study" consultant	Semi-Annual	Non-ITT indicator	
Improved access of targeted customers to reliable service providers		ADR44	Outcome	Targeted households benefiting from interior wiring pre-financing	Number of targeted vulnerable households benefiting from pre-financing for interior wiring.	Number		Provisional acceptance of works of COSSUEL (Comité Sénégalais pour la Sécurité des Usagers de l'Electricité)	Senelec	Quarterly	Non-ITT indicator	
Capacity building of stakeholders in communications		ADR36	Output	Stakeholders strengthened in communication	Total number of stakeholders that have benefited from capacity building in communication with MCC support.	Number	Senegal II plant ownership (ERA/ Senelec)	Provisional acceptance of works	Education Communication Consultant	Quarterly	ITT indicator	
Evaluation of customer service		ADR37	Output	Customer service evaluation date	Date on which the customer service assessment is completed.	Date		Provisional acceptance of works	Consultant	Once	ITT indicator	

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Technical assistance provided to Senelec's regional offices and concessionaires		ADR38	Output	Technical assistances provided to Senelec regional offices and concessionaires	The number of times technical assistance is provided to Senelec regional offices and concessionaires in terms of capacity building and/or support missions.	Number	Senegal II assistance type (Training/Advisory support)	TBD	Senelec	Quarterly	ITT indicator	The type of technical assistance is capacity building.
Inventory management system		ADR39	Output	Establishment of the inventory management system	Date of the establishment of the inventory management system.	Date		Provisional acceptance of works	Connection Support Consultant	Once	ITT indicator	
Inventory of electricians qualified to do interior wiring		ADR40	Output	Completion of the inventory of electricians qualified to do interior wiring	The date at which MCA-Senegal II, MCC, and Senelec accept the final version of the consultant's assessment report.	Date		Provisional acceptance of works	Connection Support Consultant	Once	ITT indicator	
Trained electricians		ADR42	Output	Electricians trained	This is the total number of electricians trained to do interior wiring for new connections with MCC support.	Number	Sex (Male/ Female)	Provisional acceptance of works	Connection Support Consultant	Quarterly	ITT indicator	
2.3 Distribution Network Reinforcement Activity												
Objective: Improved supply of and demand for quality electricity in rural and peri-urban areas of Senegal		AR246	Outcome	Avoided technical losses	Avoided technical losses on lines improved with MCC funding.	Megawatt hours	Nioro region	Senelec's Energy Management System (EMS) / Gridwatch monitors for Nioro Region	DANQS / nLine for Nioro region	Annual	ITT indicator	WSP Feasibility Study Report, Chapter 9 page 17 includes a list of lines.
Objective: Improved supply of and demand for quality electricity in rural and peri-urban areas of Senegal		AR247	Outcome	Non-distributed energy on the distribution network	Quantity of non distributed energy caused by under frequency resulting from distribution network outages.	Megawatt hours		Senelec Annual Distribution Report	DANQS	Quarterly	ITT indicator	
Reduction of service interruptions	P-21	AR248	Outcome	System Average Interruption Duration Index (SAIDI)	Sum of durations, in customer-hours, of all customer interruptions in a quarter / Total number of customers connected to network in the same quarter.	Hours	Nioro region	Senelec's Systeme d'information de reseau (SIR) and Integrated Distribution Management System (IDMS) for the full region / Gridwatch monitors for Nioro Region	MCA Reform Project Team/DANQS/ nLine sensors for Nioro region	Quarterly	Non-ITT indicator	This indicator will measure SAIDI only in the Distribution Network Reinforcement Activity's area of intervention, and the disaggregation will be defined with the design study. The Independent evaluation will measure SAIDI in the NIORO region using nLine sensors.
Reduction of service interruptions	P-22	AR249	Outcome	System Average Interruption Frequency Index (SAIFI)	Sum of customer-interruptions in a quarter / Total number of customers connected to network in the same quarter.	Rate	Nioro region	Senelec's Systeme d'information de reseau (SIR) and Integrated Distribution Management System (IDMS) for the full region / Gridwatch monitors for Nioro Region	MCA Reform Project Team/DANQS/ nLine sensors for Nioro region	Quarterly	Non-ITT indicator	This indicator will only measure SAIFI only in the Distribution Network Reinforcement Activity's area of intervention, and the disaggregation will be defined with the design study. The Independent evaluation will measure SAIFI in the NIORO region using nLine sensors.
Improved voltage stability		AR250	Outcome	Voltage stability	[Number of hours during which the voltage is +/- 10% of the acceptable level on the MV and LV lines / divided by the number of hours during the period] X 100.	Hours		Gridwatch monitors	nLine	Quarterly	ITT indicator	This indicator will specifically measure voltage stability in the Nioro region. See Access Project Evaluation Design Report for more information.
Improved customer confidence in and satisfaction with Senelec and concessionaires		AR256	Outcome	Customer satisfaction index	(Number of survey respondents stating that they are satisfied or very satisfied with the quality of electricity they receive from their service provider divided by total number of survey respondents) x 100.	Percentage	Sex (Female/Male); Plant ownership (Senelec/CER) Customer class (Household/ Businesses)	Baseline study for the Reform and Transmission Projects (2022)	"Baseline Study" consultant	Semi-Annual	Non-ITT indicator	
Reinforced distribution lines		AR251	Output	Attachments between radial lines sections installed	Total number of kilometers of attachments between radial line sections installed with MCC funding and receiving provisional acceptance from MCA Senegal II.	Kilometers		Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Reinforced distribution lines		AR254	Output	Remote-controlled overhead cut-off and protection devices installed	Number of remote-controlled overhead switches installed through MCC.	Number	Cut-off device type (IAT-CT/DRR)	Provisional acceptance of works	Control engineer	Quarterly	ITT indicator	
Reinforced distribution lines		AR255	Output	Capacitor batteries installed	Total power of capacitor batteries provided with MCC funds and subject to provisional acceptance by MCA-Senegal II.	Megavolt ampere		Provisional acceptance of works	Supervisory Engineer	Quarterly	ITT indicator	
3.Enabling Environment and Capacity Building Project												
Objective: Good governance improved		RP292	Outcome	Integrated investment planning practices	The value for this index is the average scores in the "Integrated investment planning assessment framework". That index includes forty results under six themes that define what is meant by optimal integrated investment planning practices. The themes are (1) roles and responsibilities, (2) data use, (3) implementation, (4) external relations, (5) cohesion, and (6) content. The results were defined based on the electricity code consultant's (Sofreco) phase 3 report submitted in February 2020.	Index		Implementation and endline evaluation reports	Independent evaluator (Social Impact)	Other	Non-ITT indicator	The frequency of reporting is twice.
Objective: Good governance improved		RG47	Outcome	Regulatory governance index	The index definition is based on the Electricity Regulatory Index produced by the African Development Bank. It is the average of scores for each of the four sub-criteria. First, regulatory power is the increased power of the regulator in the areas of integrated investment planning, power purchase agreements, and tariff-setting. Second, independence is the regulator's independence from executive and legislative powers, independent from the stakeholders and market participants, and financial independence. Third, transparency relates to communication and reporting mechanisms and requirements related to publishing audited accounts. Fourth, accountability relates to the regulator's consultations prior to making decisions and the ability for businesses and consumers to appeal regulatory decisions. Each component of each sub-criteria is scored on a 0 to 1 scale where 0 to 0.49 is a low level of regulatory development, 0.5 to 0.59 is moderate level of regulatory development, 0.6 to 0.79 is a substantial level of regulatory development, and 0.8 to 1 is a high level of regulatory development. Values are rounded up to two decimal places.	Index		Final evaluation report	Independent evaluator (Social Impact)	Other	Non-ITT indicator	Reporting frequency is twice.
Objective: Enabling Environment Improved		RP203	Outcome	Formal rules adopted	Number of laws, policies, regulations, strategic plans, and frameworks introduced by the Compact and adopted by the GoS.	Number		Documents indicating the government's formal acceptance of the rule	MPPEM	Annual	ITT indicator	Quantifying formal rules is at best an imperfect indicator for the enabling environment. The independent evaluation will assess the quality of the formal rules by assessing their alignment with the road map and its goals. It will also assess the extent to which formal rules are being enforced and implemented in practice.
Objective: Financial viability of operators improved	P-24	RE-3	Outcome	Operating cost-recovery ratio	Total revenue collected / Total operating cost. Total operating cost is defined as operating expenses plus depreciation.	Percentage	Senegal II plant ownership (Senelec/CER)	Financial statements of Senelec and concessionaires	Senelec and ASER focal points	Annual	ITT indicator	Revenue corresponds to the chiffre d'affaires (Ref: XB) in the Senelec financial statement. Operating cost is the sum of the line items with the following referenced codes RC, RD, RE, RF, RG, RH, RI, RJ, RK, and RL.
Objective: Financial viability of operators improved		RP204	Outcome	Operating cash flow ratio	The operator's ability to meet its short-term commitments. It is calculated by the following formula: Cash flow from operations (of Senelec and Concessionaires) / current liabilities of the utility (of Senelec and Concessionaires) multiplied by 100.	Percentage	Senegal II plant ownership (Senelec/CER)	Financial statements of Senelec and concessionaires	Senelec and ASER focal points	Annual	ITT indicator	For Senelec, cash flow is Flux de trésorerie provenant des activités opérationnelles (Ref: ZB) and current liabilities is Total passif circulant (Ref: DP) in its certified financial statement. This indicator is also related to the "Sustainable cash flow due to reliable/timely payment by government to utility" result
Objective: Financial viability of operators improved		RP278	Outcome	Net return on equity	The profitability of the company (Senelec and concessionaires), translated in terms of net income, relative to its equity. It is calculated by the following formula: Net Profit / Equity multiplied by 100.	Percentage	Senegal II plant ownership (Senelec/CER)	Financial statements of Senelec and concessionaires	Senelec and ASER focal points	Annual	ITT indicator	
3.1 Sector Governance Activity												
Reduced cost of service		RG209	Outcome	Average cost per kWh	The average kWh cost of the energy transmitted on the interconnected network. This is calculated by the following formula: Total cost of electricity generation in CFA Francs in a calendar year divided by the total quantity of electricity generated in kilowatt hours.	CFA Francs	Input	Energy Management System (EMS)	Senelec transmission and energy purchasing department	Annual	ITT indicator	Result related to all three sub activities and Network management sub activity under Utility Strengthening Activity

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Reduced cost of service		RGZ09.01	Outcome	Total cost of electricity generation	The sum of the total variable cost of each electricity generation unit in a given year.	CFA Francs		Energy Management System (EMS)	Senelec transmission and and energy purchasing department	Annual	ITT indicator	
Reduced cost of service		RGZ09.02	Outcome	Total quantity of electricity generated	The sum of the electricity generated in kWh of each electricity generation unit in a given year.	Kilowatt hours		Energy Management System (EMS)	Senelec transmission and and energy purchasing department	Annual	ITT indicator	
GoS debt obligations to Senelec decreased		RGZ10	Outcome	GoS debt obligations to Senelec	The outstanding balance of amounts due to Senelec for electricity bills and compensation in accordance with the Sector Repayment Plan and Tariff Plan.	CFA Francs		Extract from Senelec financial statement showing payment receipt	Energy Support Fund (FSE)	Annual	ITT indicator	An alternate data source is documentation from the Energy Support Fund or the Ministry of Finance showing the payment was made
GoS compensation paid on time and in full		RRS63	Outcome	GoS compensation timeliness to Senelec	Number of days between CRSE's determination of the tariff ("gel du tarif") and the date when Senelec receives the Government compensation payments.	Days		Tariff decision and Senelec financial statement showing payment receipt	FSE and Senelec	Annual	ITT indicator	This indicator is also related to the "Sustainable cash flow due to reliable/timely payment by government to utility" result
GoS compensation paid in full and on time		RGZ12	Outcome	GoS compensation timeliness to concessionaires	The average number of days between CRSE's determination of the tariff ("gel du tarif") and the date when each concessionaire receives the Government compensation payments.	Days		Tariff decision and concessionaire financial statement showing payment receipt	FSE and Senelec	Annual	ITT indicator	
GoS compensation paid in full and on time		RRS64	Outcome	GoS debt recovery rate	The total amount paid by the government to Senelec divided by the total amount that the government owes to Senelec multiplied by 100.	Percentage		Tariff decision and Senelec financial statement showing payment receipt	MPEM	Annual	ITT indicator	
Sector reimbursement plan adopted		RGZ11	Output	Sector reimbursement plan adoption	Date at which the Ministry of Finance and Budget issues an official letter to MCA confirming its adoption of the reimbursement plan.	Date		Copy of letter	MCA Senegal II General Counsel	Once	ITT indicator	
3.1.1 Legal and Sector Framework Sub-Activity												
Optimized dispatching		RGJ15	Outcome	Least-cost generation	Quantity of energy dispatched from the 10% least expensive generation units in a quarter / Total quantity of energy dispatched in a quarter multiplied by 100.	Percentage		Energy Management System (EMS)	Senelec focal point	Annual	ITT indicator	This result is also related to Network Management sub-activity
Third-party access in effect		RGJ16	Outcome	Third-party network access contracts	The sum of network access contracts between third-party suppliers and the transmission system operator.	Number		Contracts between third-party suppliers and the transmission system operator	Bureau d'Accès des Tiers au réseau (BART)	Quarterly	ITT indicator	According to the performance contract (2021-2023), the technical modalities ensuring third-party access should be done by December 31, 2022.
Lower contracted power pricing		RGJ14	Outcome	KWh price in power purchase agreements	Sum of the average price per kWh determined in each Power Purchase Agreement (PPA) in force divided by Total Number of PPAs in force. The average price per kWh is equal to the price per kWh if the PPA has a fixed rate. If the price varies over time, the average is calculated based on the current year.	CFA Francs		Power Purchase Agreements or "Rapport mouvement d'énergie"	Senelec or CRSE	Annual	ITT indicator	Result related to both the Sector Governance and MPE planning sub-activities

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Reduced cost of electricity for eligible clients		RGJ18	Outcome	Power price in third-party access purchase agreements	Average price per kWh under purchase contracts for third-party access eligible customers.	Percentage		Power Purchase Agreement	CRSE focal point/MPE focal point	Annual	ITT indicator	<p>This indicator measures the gain on tariffs for eligible customers. It is easier to measure the price than the percentage difference. By comparing the actual tariff after third-party access and the base tariff, we can assess the percentage difference in the average price per kWh paid by eligible customers.</p> <p>The power price may not necessarily decrease, because the quality of electricity may warrant a higher price. So, it's more about value and not just price.</p>
Increased transparency of functional entities' costs		RGJ19	Outcome	Cost transparency index	Score from 1 to 5, where 1 represents very low cost transparency and 5 very high cost transparency for ASER and Senelec business units.	Index		Endline evaluation report	Independent evaluator (Social Impact)	Once	Non-ITT indicator	The transparency criteria can be defined later to have a quantitative transparency index
Adjusted cost of service		RGJ23	Outcome	Required revenue	The Maximum Authorized Revenue (RMA in french) is calculated by CRSE using the following formula: Fixed Costs + Variable Service + Costs for the National Radio and Television Service + CRSE royalty fees + Fund endowment + Correction Factor - Penalties. More information on the calculation is included in CRSE public materials.	CFA Francs		CRSE decision on the maximum authorized revenue	CRSE	Quarterly	ITT indicator	This indicator is related to both "Sustainable required revenue levels allowed to licensees"
Improved and focused management for functional entities		RGJ42	Outcome	Overall financial performance	A general measure of financial performance of Senelec and the rural concessionaires. Net income divided by total revenue X 100.	Percentage	Plant ownership (Senelec/CER)	Financial statements of Senelec and concessionaires	CRSE or Senelec	Annual	ITT indicator	
Electricity code and decrees drafted		RGJ22	Output	Promulgation of electricity code	Date at which the decree on the electrical code is published in the official journal.	Date		Publication in the government's official journal	Strategy and Regulation Department (DSR)/MPE	Once	ITT indicator	
Electricity code and decrees drafted		RGJ29	Output	Application texts drafted	Number of implementing decrees drafted with MCC support.	Number		Electricity code consultant report	DSR/MPEM	Annual	ITT indicator	
Senelec's functional unbundling completed		RGJ25	Output	Functional bundling completion	Date of the CRSE decision confirming that functional unbundling is complete.	Date		Copy of legal acts	MCA Reform Project Lead	Once	ITT indicator	Financial unbundling is a pre-condition for functional unbundling. According to the performance contract 2021-2023, financial unbundling should be done by within 12 months (i.e., December 2021)
Transmission System Operator Created and Operational		RGJ26	Output	TSO operational	Date at which the TSO has an allocated budget.	Date		Memorandum of implementation of operational TSO by Senelec	TSO Director General	Once	ITT indicator	
Third party access contracts and documents drafted		RRS70	Output	Third party access contracts and documents drafted	Date at which third-party access contracts and documents are drafted.	Date		MCA Senegal II correspondence or proof of payment to consultant	MCA Reform Project Lead or MCA Finance Director	Once	ITT indicator	
N/A (Process indicator)		RGJ27	Process	Approval by MCC of separated Senelec certified financial statements	Date of MCC non-objection about separated Senelec certified financials statements.	Date		Separate financial statements from unbundled entities	Senelec Focal Point	Once	ITT indicator	
3.1.2 Ministry Capacity and Sector Planning Sub-Activity												
MPE Capacity Building Plan for Integrated Planning Developed		RGM29	Output	MPE capacity building plan for integrated planning developed	Date at which the MPE Capacity Building Plan receives formal acceptance from MCC and MCA.	Date		Project Lead	MPM/SPE/CEP	Once	ITT indicator	
MPE Capacity Building Plan for Integrated Planning Developed		RGM30	Output	MPE staff trained in integrated planning	Number of MPE staff members trained in integrated planning with the assistance of MCC.	Number	Sex (Female/Male)	PIMC Consultant report	Project Lead	Quarterly	ITT indicator	
N/A (Key output not in project logic)		RGM31	Output	Leasing (or affermage) transition plan adopted	Date at which the leasing (or affermage) transition plan is developed and adopted.	Date		Copy of leasing (or affermage) transition plan	MPM	Once	ITT indicator	

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Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Regulatory governance improved		RRG47	Outcome	Regulatory governance index	The index definition is based on the Electricity Regulatory Index produced by the African Development Bank. It includes four sub-criteria. First, regulatory power is the increased power of the regulator in the areas of integrated investment planning, power purchase agreements, and tariff-setting. Second, independence is the regulator's independence from executive and legislative powers, independent from the stakeholders and market participants, and financial independence. Third, transparency relates to communication and reporting mechanisms and requirements related to publishing audited accounts. Fourth, accountability relates to the regulator's consultations prior to making decisions and the ability for businesses and consumers to appeal regulatory decisions. Each component of each sub-criteria is scored on a 0 to 1 scale where 0 to 0.49 is a low level of regulatory development, 0.5 to 0.59 is moderate level of regulatory development, 0.6 to 0.79 is a substantial level of regulatory development, and 0.8 to 1 is a high level of regulatory development. Values are rounded up to two decimal places.	Index		Qualitative interviews with the MPEM, ADER, MFB, consumers, concessionaires, donors, and project consultants.	Baseline study consultant	Other	ITT indicator	Reporting frequency is twice.
Regulatory powers expanded		RRG48	Outcome	Law on the regulator and electricity code adopted	Date at which the electricity code and law on the regulator are adopted.	Date		Publication in the government's official journal	Division of Strategy and Regulation of the Ministry of Petroleum, Energy, and Mines (DSR/MPEM)	Once	ITT indicator	
Regulator's independence strengthened		RRG54	Outcome	Regulatory independence sub-index	This composite indicator is based on the African Development Bank's Electricity Regulatory Index. It is a sub-criteria under regulatory governance. It includes three components: independence from executive and legislative powers, independence from the stakeholders and market participants, and financial independence. Each component of each sub-criteria is scored on a 0 to 1 scale where 0 to 0.49 is a low level of regulatory development, 0.5 to 0.59 is moderate level of regulatory development, 0.6 to 0.79 is a substantial level of regulatory development, and 0.8 to 1 is a high level of regulatory development. Values are rounded up to two decimal places.	Index		Endline evaluation report	Independent evaluator (Social Impact)	Other	Non-ITT indicator	
Regulator's financial capacity increased		RRG63	Outcome	TBD	The team will define the indicator once the regulator's business plan is produced, which is currently expected in December 2024.	TBD	TBD	TBD	TBD	TBD		TBD
Regulator's human resource capacity increased		RRG73	Outcome	CRSE positions filled	The number of filled CRSE staff positions divided by the total number of CRSE staff positions in its new organizational structure excluding members of the regulatory council multiplied by 100.	Percentage		Document signed by CRSE Executive Secretary stating the number of occupied and vacant posts as of a given date	CRSE	Annual	ITT indicator	
Regulator's human resource capacity increased		RRG69	Outcome	Career development training plan completion rate	The number of completed trainings in accordance with the CRSE career development training plan.	Number		Attendance sheets or training completion reports	CRSE	Annual	ITT indicator	The 'career development training plan' lists the specific topics to be covered and is included on page 78 to 91 of the CRSE Career Development Plan produced by Mazars and Macroconsulting submitted in March 2024.
Improved understanding of regulation's purpose and objectives		RRG34	Outcome	Customer and sector actors' understanding of regulation's purpose and objectives	Number of survey respondents stating that they have a good or very good understanding of the purpose and objectives of regulation and of CRSE's role divided by the total number survey participants who answered the question multiplied by 100. Respondents who state not knowing CRSE are counted as not having good or very good understanding of the purpose and objectives of regulation and of CRSE's role.	Percentage	Sex (Female, Male)	Endline evaluation report	Independent evaluator (Social Impact)	Other	Non-ITT indicator	The frequency of reporting is twice.

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Improved understanding of regulatory decisions		RRG75	Outcome	Customer and sector actors' understanding of regulatory decisions	Number of survey respondents who stated knowing of CRSE and who understand regulatory decisions divided by the total number of survey respondents who stated that they know of CRSE.	Percentage	Sex (Female, Male)	Endline evaluation report	Independent evaluator (Social Impact)	Other	Non-ITT indicator	The frequency of reporting is twice.
New recruits hired		RRG59	Outcome	Number of new CRSE staff hired	The total number of new individuals recruited by CRSE in accordance with the CRSE staff development developed with MCC support	Number	Sex	Personnel file kept by the CRSE's HR Department	CRSE focal point	Annual	ITT indicator	
New job descriptions developed		RRG68	Output	CRSE job descriptions	Number of job descriptions for CRSE staff developed in alignment with the new organizational structure with MCC support.	Number		Mazars Macroconsulting report	Mazars Macroconsulting	Annual	ITT indicator	
CRSE career development plan developed		RRG56	Output	CRSE staff development plan adoption	Date at which CRSE adopts a staff development plan which includes a training plan, developed with MCC assistance.	Date		Signed copy of minutes of the career development plan validation workshop	CRSE focal point	Once	ITT indicator	
Law on the regulator passed		RRG57	Output	Promulgation of the law on the regulator	Date at which the decree on the law on the regulator is published in the official journal.	Date		Publication in the government's official journal	DSR/MPE	Once	ITT indicator	The reinforcement of regulation supporting cost, quality and access is related to approval of law on the regulator
New organizational structured for CRSE Developed and Approved		RRG55	Output	New organizational framework for CRSE	Date at which the new CRSE organizational framework in line with its strategic objectives is developed with MCC assistance.	Date		Consultant deliverable with description of proposed organizational framework	Mazars	Once	ITT indicator	
CRSE Communications plan developed		RRG58	Output	CRSE communication plan	Date at which CRSE formally adopts the communication plan prepared with MCC support.	Date		Signed copy of the minutes of the communications plan validation workshop	CRSE focal point	Once	ITT indicator	
N/A (Process indicator)		RRG60	Process	Financial autonomy plan	Date at which the financial autonomy plan is accepted by MCA Senegal II.	Date		MCA Senegal II correspondence or proof of payment to consultant	MCA Reform Project Lead or MCA Finance Director	Once	ITT indicator	
N/A (Process indicator)		RRG61	Process	CRSE salary study	Date at which a study comparing CRSE staff salaries with individuals in similar sectors and competencies is completed and accepted by MCA Senegal II.	Date		MCA Senegal II approval of study	MCA Reform Project Lead	Once	ITT indicator	
3.2.2 Regulatory Substance Sub-Activity (Sector Regulatory Strengthening Activity)												
Regulatory substance improved		RRS68	Outcome	Regulatory substance index	<p>This composite indicator is based on the African Development Bank's (AfDB) electricity regulatory index (ERI). It measures how the regulatory body executes its mandate by implementing the main regulatory instruments and frameworks for the sector. It is comprised of three sub-criteria. Improvement of service quality considers the role of government policy in the electricity supply and regulation of the electricity industry. Sector financial viability refers to the regulator's role in tariff regulation and the method used. Access to decentralized energy refers to policies and regulatory provisions in the areas of network access, promotion of intermittent energies, price optimization, granting of concession licenses, and other areas. Each each sub-criteria is scored on a 0 to 1 scale where 0 to 0.49 is a low level of regulatory development, 0.5 to 0.59 is moderate level of regulatory development, 0.6 to 0.79 is a substantial level of regulatory development, and 0.8 to 1 is a high level of regulatory development. Values are rounded up to two decimal places.</p>	Index		Endline evaluation report	Independent evaluator (Social Impact)	Other	Non-ITT indicator	The reporting frequency is twice. The baseline conducted in 2022 provided a baseline value and an actual following the passage of the electricity code. The endline evaluation will provide a second and final value.

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Increased tariff cost-reflectiveness		RRS65	Outcome	Cost-reflective tariff regime	Average tariff per kilowatt-hour / Average cost (P-14.1) Average tariff per kilowatt-hour should be computed as the weighted average of the approved tariffs based on demand projections for each tariff class by the regulator. Average cost is computed as the maximum authorized revenue (RMA) divided by the quantity of electricity sold	Percentage		Tariff decision	CRSE focal point	Annual	ITT indicator	
Increased tariff cost-reflectiveness		RRS82	Outcome	Cost-reflective tariff	The average tariff per kilowatt-hour divided by average cost of service multiplied by 100.	Percentage	Input	Published decisions regarding the maximum revenue allowed (RMA)	CRSE focal point	Annual	ITT indicator	
Increased tariff cost-reflectiveness		RRS82.1	Outcome	Average tariff	Total electricity sales revenue divided by total number of kilowatt-hours sold.	CFA Francs		Published decisions regarding the maximum revenue allowed (RMA)	CRSE focal point	Annual	ITT indicator	
Increased tariff cost-reflectiveness		RRS82.2	Outcome	Average cost of service	The maximum authorized revenue (or RMA) divided by the total quantity of electricity sold.	CFA Francs		Published decisions regarding the maximum revenue allowed (RMA)	CRSE focal point	Annual	ITT indicator	
Improved quality of data available to CRSE to measure performance		RRS93	Outcome	Quality data provided by the operators to CRSE	The quality level of data that ASER and Senelec provide to CRSE. There are four categories: 1 = poor; 2 = average; 3 = good; 4 = Very good. Ratings are obtained through qualitative interviews with institutional stakeholders.	Number		Endline evaluation report	Independent evaluator (Social Impact)	Other	Non-ITT indicator	The frequency of reporting for this indicator is twice. The list of institutional stakeholders included for the baseline value is included in Table III.4.1. of the MCA Baseline Study Report.
Sector stakeholders engaged and sensitized on updated regulations and policy		RRS67	Outcome	Sector stakeholder understanding of new sector policies and regulations	The level of stakeholder understanding of program-supported reforms based on the independent evaluator's coding of qualitative interview notes where 1 = no/little understanding, 2 = some understanding, 3 = strong understanding. Stakeholders include all respondents except those from MCC, MCA, and their consultants. The indicator is an average score: Sum of individual scores divided by number of individual scores.	Percentage	Sex (Female, Male)	Endline evaluation report	Independent evaluator (Social Impact)	Other	Non-ITT indicator	This indicator was not measured at baseline. The MCA Baseline Study Consultant assessed this result qualitatively. The independent evaluator should assess this quantitatively in its baseline and subsequent data collections. However, as of November 2024, the evaluator has not confirmed the wording of the question, which will determine the indicator definition.
Tariff plan developed and adopted		RRS69	Outcome	Tariff plan adoption	Date at which the tariff plan is developed and adopted.	Date		Tariff plan	MPE	Once	ITT indicator	The tariff plan should include an updated tariff methodology, tariff blocks, rate design, revenue requirements, and treatment of electricity sector assets.
New regulations drafted		RRS77	Output	Regulations and regulatory procedures	The number of CRSE regulations, regulatory procedures, and model agreements and specifications drafted by the MCC-funded consultant.	Number		Copies of the regulations and regulatory procedures	RTE Nodalis	Annual	ITT indicator	
Grid audit completed		RRS71	Output	Completion of grid audit	Date at which the grid audit study is completed.	Date		MCA Senegal II correspondence or proof of payment to consultant	MCA Reform Project Lead or MCA Finance Director	Once	ITT indicator	
N/A (Process indicator)		RRS72	Process	Tariff study completion	Date at which all deliverables from the Cost of Service and Tariff Methodology Study are accepted by MCA Senegal II.	Date		MCA Senegal II correspondence or proof of payment to consultant	MCA Reform Project Lead or MCA Finance Director	Once	ITT indicator	
3.3.1 Incentivizing Utility Performance Sub-Activity (Sector Utility Strengthening Activity)												
Increased capacity in financial management		ROI70	Outcome	Senelec staff skills in financial management	The definition of this indicator will be determined through the diagnostic of the consultant who will be responsible for providing this technical assistance (Task 2).	Percentage	Sex (Female/Male)	Report from the Consultant tasked with strengthening the capacity of Senelec's general services, internal audit, and finance departments	Consultant	Other	Non-ITT indicator	Definition is TBD. Reporting frequency is twice.

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Actions taken to improve KPIs		ROI97	Outcome	Percentage of actions completed	The number of relevant payment-based action indicators that the results auditor determined to be complete divided by the total number of relevant payment-based action indicators multiplied by 100. Relevant indicators are indicators number 5,6,7,8,11,12,13,16, 17, 18,19,21,22,24,25, and 26 as numbered in the grants operational manual payment matrix used.	Percentage		Results auditor report	Seureca	Quarterly	ITT indicator	The Results-Based Financing consultant defined the action indicators in the grants operations manual.
Improved cost control and financial projections		ROI75	Outcome	Budget execution rate	[The sum of expenditures / The sum of projected expenditures] x 100.	Percentage		Senelec financial department	Senelec focal point	Annual	ITT indicator	
Improve quality of service		ROI84	Outcome	Customer satisfaction rate	TBD. The Indicator Definition depends on the customer satisfaction survey design that Senelec ends up adopting. If/when that survey is developed, M&E will define the indicator accordingly.	Percentage		Results auditor report	Seureca	Semi-Annual	ITT indicator	TBD
Improved Senelec reporting to CRSE		ROI85	Outcome	Reporting schedule compliance	The number of compliant reports submitted on time divided by the number of compliant reports due multiplied by 100. The due dates of reports will be defined in the CRSE application regulation that is being drafted to replace the application regulation n°04-2003.	Percentage		Results auditor report	Seureca	Quarterly	ITT indicator	
Commercial losses reduced		ROI86	Outcome	Electricity recovered from adjustment invoices	Volume of electricity in kilowatt hours recovered in a quarter by adding up the energy from adjustment invoices resulting from Senelec's field inspections.	Kilowatt hours	Senelec agency	Results auditor report	Seureca	Quarterly	ITT indicator	
Drivers of weak performance identified		ROI79	Outcome	Identification of poor performance drivers	Date at which the consultant report on poor performance is accepted.	Date		Copy of MCA consultant report including diagnostic	MCA Reform Project Lead or MCA Finance Director	Once	ITT indicator	
Resolutions to weak performance proposed to Utility Director General		ROI89	Output	Approval of the Grant Operations Manual	Date at which the Grant Operations Manual is approved by Senelec and MCA.	Date		Grants Operational Manual	MCA Director	Once	ITT indicator	The indicator does not exactly match the result, because the implementation approach is different than what was originally anticipated. However, the grants manual in effect includes specific performance improvement solutions for Senelec to consider and implement.
Training and technical assistance to improve Senelec's financial management and related services		ROI92	Output	Senelec staff training	Number of Senelec agents in the departments of internal audit, general services, and financial management who participate in at least one full training.	Number	Sex (Female/Male)	Consultant report	Consultant	Annual	ITT indicator	This indicator is specific to training provided with MCC funds that are in the capacity development plan developed by the relevant consultant. The Senelec divisions expected to participate in trainings are: Direction de l'Administration, du Patrimoine et des Approvisionnements (DAPA), Direction des Etudes Générales (DEG), Direction des Finances et de la Comptabilité (DFC), Direction de l'Audit Interne et du Contrôle (DAIC), Direction des Systèmes d'Information (DSI) and the Centre de Formation et de Perfectionnement Professionnels (CFPP). An individual who receives training multiple times should be counted only once, as one individual trained. Individuals who do not participate in the full training should not be counted.
N/A (Process indicator)		ROI82	Process	Performance incentive program	Date at which a performance incentive program is established and approved by MCC.	Date		MCC correspondence accepting performance incentive program	Reform Team	Once	ITT indicator	The requirements for the incentive program are included on Page 32 of the Compact.
3.3.2 Network Management Sub-Activity (Sector Utility Strengthening Activity)												
Improved GIS capability		ROR93	Outcome	Geospatial Maturity Model	This maturity model has five levels from: Level 1: GIS is not used; Level 2: Limited use of GIS; Level 3: GIS is operational; Level 4: GIS is centralized; Level 5: GIS is transformational. Scores are given to 19 domains organized under five pillars: (1) Organizational structure and human resources, (2) Processes, (3) Data, (4) Software and technology, and (5) Materials.	Number		Endline evaluation report	Independent evaluator (Social Impact)	Once	Non-ITT indicator	
Improved availability of HV lines		ROR95	Outcome	HV transmission line availability rate	(Number of hours in a given year that 90kv and 225kv transmissions line are in service and able to transmit electricity/Total number of hours in a given year) * 100.	Percentage		Energy Management System (EMS)	DANQS	Annual	ITT indicator	SENELEC's service quality department (DANQS) uses data from its EMS to report on this indicator in the annual report on electricity flows ("Rapport mouvement d'énergie").

Project Logic Result	CI Code	Indicator Code	Indicator Level	Indicator Name	Definition	Unit of Measure	Disaggregation Type	Primary Data Source	Responsible Party	Frequency of Reporting	Indicator Type	Additional Information
Improved planning of maintenance and transmission network expansion		ROR87	Outcome	Number of permanent faults on HTA lines per 100 km of HTA lines	Number of permanent faults on HTA lines per 100 km of HTA lines.	Number		Senelec's GIS database	Senelec Focal Point	Quarterly	ITT indicator	
Increased regional integration of Tx network		ROR88	Outcome	Energy imported or exported	The total megawatt hours of electricity imported or exported.	Megawatt hours	Electricity supply source	Rapport Mouvement d'énergie de Senelec	DANQS	Quarterly	ITT indicator	
Improved economic dispatching model		ROR95	Outcome	Setup of new dispatching model	Date at which all software and tools for the new dispatch model are established and functional.	Date		Installation verification report or similar document	Reform Team	Once	ITT indicator	The required dispatching tools will be defined with design consultant
Improved management of MV/LV network assets	P-13	ROR85	Output	Maintenance expenditure-asset value ratio	Actual maintenance expenditures / Total value of fixed assets.	Percentage	Voltage level (MV/LV)	Senelec financial database	Senelec focal point	Annual	ITT indicator	
Functional MV network GIS is provided		ROR92	Output	Functional GIS of MV/LV network	Date at which a consultant confirms the MV network GIS is functional. This includes the establishment of a database, provision of training, acquisition of material, and imaging performed.	Date		GIS consultant report	GIS consultant	Once	ITT indicator	
The staff of the future transmission system operator is trained and equipped		ROR93	Output	Employees trained in the Computerized Maintenance Management System	The sum of Senelec employees who attended at least one training on the Computerized Maintenance Management System (CMMS).	Number	Sex (Female/Male)	Training attendance sheets	Reform Team	Quarterly	ITT indicator	

ANNEX II: TABLE OF INDICATOR BASELINES AND TARGETS

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
1. Modernizing and Strengthening of Senelec Transmission Network Project													
Outcome	Load shedding events experienced by customers	Number	Level (Cumulative)	565 (2019)				TBD	TBD	TBD	Not informed by CBA	Source: Rapport Mouvement d'Energies (2019), P20 Year: 2019	TBD. The plan is for MCC/EPG's due diligence contractor to conduct load flow modelling before March 2025 to estimate the projected quality improvements covering at least the 2025 – 2035 period. Either in complement or as a back-up we will use Senelec's projections for similar indicators, such as non-distributed energy. This would be done as soon as Senelec has a strategy covering 2028 as the current one is for the 2021-2025 period. The magnitude will be determined by this load flow modelling exercise. Final data collection in 2028 means an exposure period range of 33 - 45 months after commissioning of works, which should allow sufficient time for benefits to materialize. This also to be consistent with the exposure of the 'additional energy' indicators, which are based on the CBA model. The load flow analysis used for that model had benefits accruing as soon as the works were commissioned and reaching their maximum 6 to 9 years later respectively for the Dakar Network Activity and Transformer Replacement Program Activity.
	Manual			228 (2019)							Not informed by CBA		
	Automatic			337 (2019)							Not informed by CBA		
	Unspecified										Not informed by CBA		
Outcome	Non-distributed energy on the network	Megawatt hours	Level (Cumulative)	13,622 (2021)	14,000	13,000	12,000	11,000	TBD	TBD	Not informed by CBA	Source: Rapport Mouvement d'Energies Page 25 (Tableau 1) Year: 2021 Rapport Annuel de Distribution Page 76 (Tableau 14) Year: 2021	2021-2023 targets source: Senelec performance contract 2024-2025 target values assume continuation of trend and are derived from the Final Data Quality Review Report (2021), Page 89. TBD. The plan is for MCC/EPG's due diligence contractor to conduct load flow modelling before March 2025 to estimate the projected quality improvements covering at least the 2025 – 2035 period. Either in complement or as a back-up, we will use Senelec's projections for similar indicators, such as non-distributed energy. This would be done as soon as Senelec has a strategy covering 2028 as the current one is for the 2021-2025 period. The magnitude will be determined by this load flow modelling exercise. Final data collection in 2028 means an exposure period range of 33 - 45 months after commissioning of works, which should allow sufficient time for benefits to materialize. This also to be consistent with the exposure of the 'additional energy' indicators, which are based on the CBA model. The load flow analysis used for that model had benefits accruing as soon as the works were commissioned and reaching their maximum 6 to 9 years later respectively for the Dakar Network Activity and Transformer Replacement Program Activity.
	LV/MV			7,601 (2021)							Not informed by CBA		
	HV			6,021 (2021)							Not informed by CBA		
	Unspecified										Not informed by CBA		
Outcome	Customers experiencing at least one service interruption	Percentage	Level	TBD				TBD	TBD	TBD	Not informed by CBA	Source: Baseline Study Report Year: 2022 (Annex I) Baseline for CER is expected in the second wave of the MCA Baseline Study Phase 3.	TBD. The plan is for MCC/EPG's due diligence contractor to conduct load flow modelling before March 2025 to estimate the projected quality improvements covering at least the 2025 – 2035 period. Either in complement or as a back-up, we will use Senelec's projections for similar indicators, such as non-distributed energy. This would be done as soon as Senelec has a strategy covering 2028 as the current one is for the 2021-2025 period. The magnitude will be determined by this load flow modelling exercise. Final data collection in 2028 means an exposure period range of 33 - 45 months after commissioning of works, which should allow sufficient
	LV Domestic			56.8 (2022)							Not informed by CBA		
	LV Business			60.4 (2022)							Not informed by CBA		
	MV			1.8 (2022)							Not informed by CBA		
	HV			1.8 (2022)							Not informed by CBA		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
	Senelec			30.2 (2022)							Not informed by CBA		time for benefits to materialize. This also to be consistent with the exposure of the 'additional energy' indicators, which are based on the CBA model. The load flow analysis used for that model had benefits accruing as soon as the works were commissioned and reaching their maximum 6 to 9 years later respectively for the Dakar Network Activity and Transformer Replacement Program Activity.
	CER			TBD							Not informed by CBA		
Outcome	Average number of service interruptions experienced	Number	Level (Average)	TBD				TBD	TBD	TBD	Not informed by CBA	Source: Baseline Study Report Year: 2022 (Annex I) Source: "MAJ M&E plan Transport".xls, sheet "SF SD Baseline survey" Format: "High season/ Low Season" Baseline for CER is expected in the second wave of the MCA Baseline Study Phase 3.	TBD. The plan is for MCC/EPG's due diligence contractor to conduct load flow modelling before March 2025 to estimate the projected quality improvements covering at least the 2025 – 2035 period. Either in complement or as a back-up, we will use Senelec's projections for similar indicators, such as non-distributed energy. This would be done as soon as Senelec has a strategy covering 2028 as the current one is for the 2021-2025 period. The magnitude will be determined by this load flow modelling exercise. Final data collection in 2028 means an exposure period range of 33 - 45 months after commissioning of works, which should allow sufficient time for benefits to materialize. This also to be consistent with the exposure of the 'additional energy' indicators, which are based on the CBA model. The load flow analysis used for that model had benefits accruing as soon as the works were commissioned and reaching their maximum 6 to 9 years later respectively for the Dakar Network Activity and Transformer Replacement Program Activity.
	LV Domestic			2.8 (2022)							Not informed by CBA		
	LV Business			1.3 (2022)							Not informed by CBA		
	MV			0.04 (2022)							Not informed by CBA		
	HV			0.04 (2022)							Not informed by CBA		
	Senelec			1 (2022)							Not informed by CBA		
	CER			TBD							Not informed by CBA		
Outcome	Average duration of service interruptions experienced	Hours	Level (Average)	TBD				TBD	TBD	TBD	Not informed by CBA	Source: Baseline Study Report Year: 2022 (Annex I) Source: "MAJ M&E plan Transport".xls, sheet "SF SD Baseline survey" Format: "High season/ Low Season" Baseline for CER is expected in the second wave of the MCA Baseline Study Phase 3.	TBD. The plan is for MCC/EPG's due diligence contractor to conduct load flow modelling before March 2025 to estimate the projected quality improvements covering at least the 2025 – 2035 period. Either in complement or as a back-up, we will use Senelec's projections for similar indicators, such as non-distributed energy. This would be done as soon as Senelec has a strategy covering 2028 as the current one is for the 2021-2025 period. The magnitude will be determined by this load flow modelling exercise. Final data collection in 2028 means an exposure period range of 33 - 45 months after commissioning of works, which should allow sufficient time for benefits to materialize. This also to be consistent with the exposure of the 'additional energy' indicators, which are based on the CBA model. The load flow analysis used for that model had benefits accruing as soon as the works were commissioned and reaching their maximum 6 to 9 years later respectively for the Dakar Network Activity and Transformer Replacement Program Activity.
	LV Domestic			140 (2022)							Not informed by CBA		
	LV Business			70.5 (2022)							Not informed by CBA		
	MV			2.2 (2022)							Not informed by CBA		
	HV			2.2 (2022)							Not informed by CBA		
	Senelec			53.7 (2022)							Not informed by CBA		
	CER			TBD							Not informed by CBA		
Outcome	Average kWh generation cost	CFA Francs	Level	61.61 (2019)				37	37	37.41 (2028, Year 8)	Not informed by CBA	Rapport Mouvement d'énergie, page 15 Year: 2019	Senelec Plan de production 2020 - 2035, p30, Table 5-3. Date: 2019 The magnitude is based on Senelec's targets, which took into consideration MCC's investments as well as other planned investments and initiatives that could reduce generation costs. The exposure period is selected to be consistent with the other objective-level indicators.
	Fuel			68.37 (2019)							Not informed by CBA		
	Coal			34.47 (2019)							Not informed by CBA		
	Solar			70.8 (2019)							Not informed by CBA		
	Wind			40.64 (2019)							Not informed by CBA		
	Hydro			20.82 (2019)							Not informed by CBA		
	Gas										Not informed by CBA		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation	
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026					
Outcome	System Average Interruption Duration Index (SAIDI)	Hours	Level	10.15 (2019)	5	4	4	3	TBD	TBD	Not informed by CBA	Performance contract 2021-2023 Page 36 Year: 2019	2021-2023 source: Senelec performance contract 2024-2025 values assume continuation of trend per DQR report recommendation. The plan is to revise these targets based on the MCC/EPG's due diligence contractor to be conducted by MCC/EPG's due diligence contractor.	
Outcome	System Average Interruption Frequency Index (SAIFI)	Rate	Level	11.13 (2019)	6	5	5	4	TBD	TBD	Not informed by CBA	Performance contract 2021-2023 Page 36 Year: 2019	2021-2023 source: Senelec performance contract 2024-2025 values assume continuation of trend per DQR report recommendation (P89) The plan is to revise these targets based on the MCC/EPG's due diligence contractor to be conducted by MCC/EPG's due diligence contractor.	
Outcome	Customer perception of service quality	Percentage	Level	63.7 (2022)							Not informed by CBA	Source: Baseline Study Report Year: 2022 (Annex I) Baseline for CER is expected in the second wave of the MCA Baseline Study Phase 3.	NA. Neither Senelec nor the CBA has a target for this indicator, and cannot be obtained from a load flow analysis.	
	LV Domestic			77.3 (2022)							Not informed by CBA			
	LV Business			82.8 (2022)							Not informed by CBA			
	MV			47.3 (2022)							Not informed by CBA			
	HV			47.3 (2022)							Not informed by CBA			
	Senelec			63.7 (2022)							Not informed by CBA			
	CER			TBD							Not informed by CBA			
	Process			Temporary employment generated in power infrastructure construction	Number	Cumulative	0 (2021)							
Female		0 (2021)										Not informed by CBA		
Male		0 (2021)										Not informed by CBA		
Foreign		0 (2021)										Not informed by CBA		
Local		0 (2021)										Not informed by CBA		
Skilled		0 (2021)										Not informed by CBA		
Semi-skilled		0 (2021)										Not informed by CBA		
Un-skilled		0 (2021)										Not informed by CBA		
1.1 Transmission Network Build Out Activity														

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Outcome	Additional energy transmitted and distributed in the Dakar peninsula	Megawatt hours	Level (cumulative)	0 (2021)				245,981	565,141	1,449,609 (2028, Year 8)	Taken directly from CBA benefit stream	2021 MCC ERR Senegal II act 3100 feasibility study	<p>The target values are highlighted on page 1 of "EA correspondence on Transmission CBA targets_May 14, 2024." The numbers are based on the most recent CBA model developed as part of the January 2024 compact modification.</p> <p>The magnitude is based on the load flow analysis used for this activity's CBA. Final data collection in 2028 means an exposure period range of 33 - 45 months after commissioning of works, which should allow sufficient time for benefits to materialize. The load flow analysis used for the CBA model had benefits accruing as soon as the works were commissioned and reaching their maximum 6 years later for the Dakar Network Activity.</p>
Output	Kilometers of transmission lines upgraded or built	Kilometers	Cumulative	0 (2021)	0	22	45	45	45		Taken directly or calculated from documented CBA assumption	N/A	<p>2018, WSP Feasibility study "Vol_1_MASTER_Chap 3_FR_Final" "Activité 3100 Développement à long terme du réseau HT autour de Dakar" Page 47-48</p>
	Undersea			0 (2021)	0	0	15	15	15		Taken directly or calculated from documented CBA assumption		
	Underground			0 (2021)	0	22	30	30	30		Taken directly or calculated from documented CBA assumption		
Output	Transmission throughput capacity added	Megawatts	Level	0 (2021)	0	385	1,925				Taken directly or calculated from documented CBA assumption	N/A	<p>2018, WSP Feasibility study "Vol_1_MASTER_Chap 3_FR_Final" "Activité 3100 Développement à long terme du réseau HT autour de Dakar" p146 (5 circuits) p153 (385 MVA) (385 X 5 = 1925)</p>
Output	Substations constructed or expanded	Number	Cumulative	0 (2021)	0	0	3	3	3		Taken directly or calculated from documented CBA assumption	N/A	<p>2018, WSP Feasibility study "Vol_1_MASTER_Chap 3_FR_Final" "Activité 3100 Développement à long terme du réseau HT autour de Dakar" p48 New substations in Bel Air and Cap des Biches and expansion of Kounoune.</p>
	Constructed			0 (2021)	0	0		2	2		Taken directly or calculated from documented CBA assumption		
	Expanded			0 (2021)	0	0		1	1		Taken directly or calculated from documented CBA assumption		
	Unspecified										Not informed by CBA		
Output	Number of transformers added	Number	Cumulative	0 (2021)	0	0	4	4	4		Taken directly or calculated from documented CBA assumption	N/A	<p>2018, WSP Feasibility study "Vol_1_MASTER_Chap 3_FR_Final" "Activité 3100 Développement à long terme du réseau HT autour de Dakar" p49 Two transformers at Cap-des-Biches and two at Bel Air.</p>

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Output	Transmission substation capacity added	Megavolt ampere	Cumulative	0 (2021)	0	0	600	600	600		Taken directly or calculated from documented CBA assumption	N/A	2018, WSP Feasibility study "Vol_1_MASTER_Chap 3_FR_Final" "Activité 3100 Développement à long terme du réseau HT autour de Dakar" p48 Cap des biches 2x 150 + Bel-Air 2 x 150 = 600 MVA
1.2 Transformer Replacement Activity													
Outcome	Additional energy transmitted from added transformers	Megawatt hours	Level (Cumulative)	0 (2021)				33,248	71,682	360,743.9 (Year 7, 2028)	Taken directly from CBA benefit stream	N/A	The target values are highlighted on page 1 of "EA correspondence on Transmission CBA targets_May 14, 2024". The numbers are based on the most recent CBA model developed as part of the January 2024 compact modification. The magnitude will be determined by this load flow modelling exercise. Final data collection in 2028 means an exposure period range of 33 - 45 months after commissioning of works, which should allow sufficient time for benefits to materialize. This also to be consistent with the exposure of the 'additional energy' indicators, which are based on the CBA model. The load flow analysis used for that model had benefits accruing as soon as the works were commissioned and reaching their maximum 9 years later for the Transformer Replacement Program Activity.
	Touba			0 (2021)					6,345.5 (Year 7, 2028)	Taken directly from CBA benefit stream			
	Diass			0 (2021)					5,382.2 (Year 7, 2028)	Taken directly from CBA benefit stream			
	Hann			0 (2021)				7,054	166,007.1 (Year 7, 2028)	Taken directly from CBA benefit stream			
	Aéroport			0 (2021)			33,248	64,628	183,009.1 (Year 7, 2028)	Taken directly from CBA benefit stream			
Outcome	Substation overloading	Percentage	Level	100.17 (2023)				65	65	68.39 (Year 8, 2029)	Not informed by CBA	Source: Substation_Overloading_Baselines_Targets_Jul15, 2024; "Baseline-Targets" tab; Cells B3 - B7 Year: 2024	Source: Substation_Overloading_Baselines_Targets_Jul15, 2024; "Baseline-Targets" tab; Cells C3 - G7 Year: 2024
	Touba			71.25 (2023)				69	67	63.31 (Year 8, 2029)	Not informed by CBA		
	Diass			94.75 (2023)				48	49	50.17 (Year 8, 2029)	Not informed by CBA		
	Hann			76.88 (2023)				55	57	63.70 (Year 8, 2029)	Not informed by CBA		
	Aéroport			164.5 (2023)				84	85	87.99 (Year 8, 2029)	Not informed by CBA		
Outcome	Transformer losses	Percentage	Level	2 (2018)	2	2	2	2	2	2	Not informed by CBA	Source: "mcc-err- Senegal II- Act.3400 Feasibility Studies Energy Project_clos_e_initial"	MCC's revised ERR model. "mcc-err-Senegal II-Act.3400 Feasibility Studies Energy Project_close_initia I"
Output	Transformers upgraded or replaced	Number	Cumulative	0 (2021)	1	2	2	3	5		Taken directly or calculated from documented CBA assumption	N/A	"Feasibility studies Vol 1_MASTER_Chap_5_FR_Final" p8 Tableau 5_9 Aéroport (1), Touba (1), Diass (2), and Hann (1)
Output	Transmission substation capacity added	Megavolt ampere	Cumulative	0 (2021)	80	160	160	240	400		Taken directly or calculated from documented CBA assumption	N/A	"Feasibility studies Vol 1_MASTER_Chap_5_FR_Final" p4 Tableau 5_1 shows the 80 MVA existing at Diass that will be replaced by two 80 MVA. p8 Tableau 5_9 shows what will be added. Diass 160 + Touba 80 + Hann 80 + Aéroport 80 = 400 MVA
1.3 Grid Stabilization Activity													

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Outcome	Electricity from intermittent sources	Percentage	Level	6.79 (2019)				TBD	TBD	TBD	Not informed by CBA	Rapport mouvement d'énergie 2019, p10 Table 2 Baseline value = (PV Solaire (17) + PV Solaires (247) + Eolien (23)) divided by Total Energie RI (4229)	TBD. The team intends to establish targets from the generation plan that will be established by the PIMC consultant during the first quarter of 2025.
Outcome	Capacity factor of solar energy power plants	Percentage	Level	18.09 (2019)				TBD	TBD	TBD	Not informed by CBA	"Rapport mouvement d'énergie 2019" p11 for the electricity generated from solar sources and p58 for the solar installed generation capacity	TBD. The team intends to establish targets from the generation plan that will be established by the PIMC consultant during the first quarter of 2025. Typical capacity factors for solar photovoltaics (PV) in regions with good resources are about 30–50%.
Outcome	Capacity factor of wind energy power plants	Percentage	Level	4.78 (2019)				TBD	TBD	TBD	Not informed by CBA	"Rapport mouvement d'énergie 2019" p11 for the electricity generated from wind sources and p58 for the wind installed generation capacity	TBD. The team intends to establish targets from the generation plan that will be established by the PIMC consultant during the first quarter of 2025. Typical capacity factors for wind photovoltaics (PV) in regions with good resources are about 15–20%.
Outcome	Intermittent energy curtailment	Megawatt hours	Level	83,908 (2022)				TBD	TBD	TBD	Not informed by CBA	The baselines are found in "Intermittent Energy Curtailment Baseline.xlsx" based on values in the 2022 Senelec Rapport Mouvement d'Energie. See highlighted cells F10, F11, F14, F15, and F16.	TBD. The team intends to establish targets from the generation plan that will be established by the PIMC consultant during the first quarter of 2025.
	Independent Power Producer			71,408 (2022)				TBD	TBD	TBD	Not informed by CBA		
	Government-owned			12,500 (2022)							Not informed by CBA		
	Unspecified										Not informed by CBA		
	Solar			45,370 (2022)				TBD	TBD	TBD	Not informed by CBA		
	Wind			38,538 (2022)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Voltage stability	Percentage	Level	94.58 (2021)	90	90	90	90	90	90 (Year 7, 2028)	Not informed by CBA	Rapport annuel mouvement d'énergie 2022 p101 (2021)	Senelec focal point The baseline value is an improvement over the target. The actuals should remain higher than the target as electricity demand grows over time.
Outcome	Frequency stability	Percentage	Level	59.3 (2019)	70	70	70	70	70	70 (Year 7, 2028)	Not informed by CBA	Source: Rapport mouvement d'énergie 2019, P 42. Paragraph 6.2 Year: 2019	Rapport mouvement d'énergie 2019 Page 44
Outcome	Total battery capacity to required operating reserve capacity	Percentage	Level	0 (2021)	100	100	100	100	100		Not informed by CBA	Senelec Synchronous Reserve Strategy Year: 2019	Senelec Synchronous Reserve Strategy Year: 2019
Outcome	Power generation capacity equipped with speed and voltage regulator	Percentage	Level	0 (2021)	21	34	38	50	57	63.3 (Year 6, 2027)	Not informed by CBA	Source : Mise_en_mode_automatique Dec 1, 2021 Year: 2019	"Mise_en_mode_automatique Dec 1, 2021" developed by MCC/M&E and WSP.
	Independent Power Producer			0 (2021)	18	37	43	60	70	70 (Year 6, 2027)	Not informed by CBA		
	Government-owned			0 (2021)	26	26	26	26	26	26 (Year 6, 2027)	Not informed by CBA		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Outcome	Battery storage capacity installed	Megavolt ampere	Cumulative	0 (2021)	80	80	80	80	80	80 (Year 7, 2028)	Not informed by CBA	N/A	The target is from the original CBA model, which is no longer valid given the January 2024 modification descopeing the battery investment. The original CBA model assumed 80 MW in battery storage would be operational in 2021. The plan was for the Compact to directly fund 30 MW at Belair 90 kv substation and for the remaining 50MW to be funded by the private sector. This target is being maintained despite the program modification, because the battery investments are still part of the operating reserve strategy implementation.
Outcome	Execution rate of the operating reserve strategy	Percentage	Level	0 (2021)	100	100	100	100	100	100 (Year 7, 2028)	Not informed by CBA	N/A	Senelec synchronous reserve strategy P12 Tableau: liste des activités de la stratégie de réserve d'exploitation
Outcome	Least-cost generation	Percentage	Level (Average)	15 (2019)							Not informed by CBA	Rapport Mouvement d'énergie 2019 Pages 11 and 14	N/A. Neither Senelec nor the CBA have a target for this indicator. We do not expect this to change before the end of the compact.
Outcome	Thermal generation capacity development	Percentage	Level	60.54 (2019)				TBD	TBD	TBD	Not informed by CBA	Rapport annuel mouvement d'énergie 2019 p58 (2019) Calculations based on generation units put in service in 2019, which are PV-Diass, KarPowership, and PETN. (For calculation, see xls file "MAJ M&E plan Transport", sheet "Capacité production 2019", Pivot table cell "K2")	TBD. The team intends to establish targets from the generation plan that will be established by the PIMC consultant.
	Independent Power Producer			68.49 (2019)							Not informed by CBA		
	Government-owned			0 (2019)							Not informed by CBA		
Output	Adoption date of operating reserve strategy	Date	Date		44,448						Not informed by CBA	N/A	All pre-EIF targets are given a target of the EIF date, which is September 9th, 2021.
Output	Transmission throughput capacity added	Megawatts	Level	0 (2021)				160	160		Not informed by CBA	N/A	Rapport final de conception technique LS p34, paragraph 3.5.2. The 160 MVA value is derived from that report with the following calculation: 413 X .225 X v3 = 160 MVA
2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project													
Outcome	Electricity consumption for domestic use	Megawatt hours	Level (Cumulative)	0 (2021)	0	0	139	2,186	2,569	2,711 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption	N/A	Rural Electrification CBA (February 2024, Cost Details tab). The post-program target is drawn from the CBA, and the exposure period assumes at least 3 years after first connections. The CBA and M&E Plan indicator tables are not exactly aligned on timing intervals. While the indicator targets represent September 30th of each year, their values actually reflect CBA projections for January 1st of the following year, three months later.
	Tambacounda			0 (2021)	0	0	8	133	156	165 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Foundiougne			0 (2021)	0	0	44	675	793	836 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Nioro du rip, Bounkiling and Medina Yoro Fouta			0 (2021)	0	0	69	1,088	1,279	1,349 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Velingara			0 (2021)	0	0	18	290	341	361 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Unspecified										Not informed by CBA		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Outcome	Electricity consumption for productive use	Megawatt hours	Level (Cumulative)	0 (2021)	0	0	171	2,284	2,700	2,885 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption	N/A	Rural Electrification CBA (February 2024, Cost Details tab) The post-program target is drawn from the CBA, and the exposure period assumes at least 3 years after first connections. The CBA and M&E Plan indicator tables are not exactly aligned on timing intervals. While the indicator targets represent September 30th of each year, their values actually reflect CBA projections for January 1st of the following year, three months later.
	Tambacounda			0 (2021)	0	0	82	1,097	1,297	1,386 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Foundiougne			0 (2021)	0	0	31	413	488	521 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Nioro du rip, Bounkiling and Medina Yoro Foula			0 (2021)	0	0	45	602	712	761 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Velingara			0 (2021)	0	0	13	172	203	217 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Unspecified										Not informed by CBA		
Process	Temporary employment generated in power infrastructure construction	Number	Cumulative	0 (2021)							Not informed by CBA	N/A	Infrastructure workplan does not include yearly targets
	Female			0 (2021)							Not informed by CBA		
	Male			0 (2021)							Not informed by CBA		
	Foreign			0 (2021)							Not informed by CBA		
	Local			0 (2021)							Not informed by CBA		
	Skilled			0 (2021)							Not informed by CBA		
	Semi-skilled			0 (2021)							Not informed by CBA		
	Unskilled			0 (2021)							Not informed by CBA		
2.1 Supply Side Activity													
Outcome	Electricity access in project areas	Percentage	Level	0 (2021)	0	0	3	53	62	65 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption	N/A	Targets drawn from 02/2024 Rural Eletrification CBA's projected adoption rates, (see parameters tab), multiplied by the percentage of infrastructure expected to be completed, (see cost details tab). The CBA and M&E Plan indicator tables are not exactly aligned on timing intervals. While the indicator targets represent September 30th of each year, their values actually reflect CBA projections for January 1st of the following year, three months later.
	Tambacounda			0 (2021)	0	0	3	46	54	57 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Foundiougne			0 (2021)	0	0	3	55	64	68 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Nioro du rip, Bounkiling and Medina Yoro Foula			0 (2021)	0	0	3	53	63	66 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Velingara			0 (2021)	0	0	3	50	59	62 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Outcome	Percentage of households connected to the national grid	Percentage	Level	0 (2018)	0	TBD	TBD	TBD	TBD	TBD		Source: NA Year: 2018	TBD
Outcome	Customers added by project	Number	Cumulative	0 (2021)	0	0	535	8,411	9,885	10,431 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption	N/A	Targets drawn from 02/2024 Rural Electrification ERR model. Access rate (see previous indicator) multiplied by the total population of each targeted region (see cost details tab). Target for social infrastructure comes from Senelec Action Plan page 12, paragraph 1. The CBA and M&E Plan indicator tables are not exactly aligned on timing intervals. While the indicator targets represent September 30th of each year, their values actually reflect CBA projections for January 1st of the following year, three months later.
	Tambacounda			0 (2021)	0	0	31	510	600	635 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Foundiougne			0 (2021)	0	0	166	2,597	3,051	3,216 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Nioro du rip, Bounkiling, and Medina Yoro Foula			0 (2021)	0	0	267	4,187	4,921	5,192 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Velingara			0 (2021)	0	0	70	1,117	1,314	1,389 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Businesses			0 (2021)	0	0					Not informed by CBA		
	Households			0 (2021)	0	0					Not informed by CBA		
	Social Infrastructure			0 (2021)	0	0				674 (Year 8, 2029)	Not informed by CBA		
Outcome	Electrified localities	Number	Cumulative	0 (2021)	0	0	23	303	350	350 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption	N/A	Projection based on the breakdown of 350 localities by department multiplied by the expected infrastructure completion rate in Rural Electrification CBA (Cost details, G:65 and below) The CBA and M&E Plan indicator tables are not exactly aligned on timing intervals. While the indicator targets represent September 30th of each year, their values actually reflect CBA projections for January 1st of the following year, three months later.
	Tambacounda			0 (2021)	0	0	1	14	16	16 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Foundiougne			0 (2021)	0	0	7	96	111	111 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Nioro du rip, Bounkiling, and Medina Yoro Foula			0 (2021)	0	0	11	147	170	170 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Velingara			0 (2021)	0	0	4	46	53	53 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
	Kilometers of distribution lines upgraded or built			0 (2021)	0			1,035	1,035		Not informed by CBA		
	Central region			0 (2021)	0			397	397		Not informed by CBA		
	Central region - Three phase MV			0 (2021)	0			196	196		Not informed by CBA		
	Central region - LV			0 (2021)	0			201	201		Not informed by CBA		
	Southern region			0 (2021)	0			638	638		Not informed by CBA		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Output	Southern region - Three phase MV	Kilometers	Cumulative	0 (2021)	0			377	377		Not informed by CBA	N/A	Source: DAO offre & Amélioration du Réseau Tom 1 et 2
	Southern region - LV			0 (2021)	0			261	261		Not informed by CBA		
	Tambacounda			0 (2018)	0	TBD	TBD	216	216		Not informed by CBA		
	Foundiougne			0 (2018)	0	TBD	TBD	481	481		Not informed by CBA		
	Nioro du rip, Bounkiling et Medina Yoro Foula			0 (2018)	0	TBD	TBD	280	280		Not informed by CBA		
	Velingara			0 (2018)	0	TBD	TBD	103	103		Not informed by CBA		
	(Three phase MV)			0 (2021)	0			573	573		Not informed by CBA		
	Single phase MV			0 (2018)	0	TBD	TBD	397	397		Not informed by CBA		
	LV			0 (2021)	0			462	462		Not informed by CBA		
Output	Transformers installed	Number	Cumulative	0 (2021)				332	332		Not informed by CBA	N/A	Source : DAO offre & Amélioration du Réseau Tom 1 et 2, page 200; 201; 206 and 243
	25 kVA			0 (2021)				182	182		Not informed by CBA		
	50 kVA			0 (2021)				108	108		Not informed by CBA		
	100 kVA			0 (2021)				40	40		Not informed by CBA		
	160 kVA			0 (2021)				2	2		Not informed by CBA		
2.2 Consumer Demand Support Activity													
2.2.1 Education Campaign for Electricity Literacy Sub-Activity													
Outcome	Consumer knowledge of energy efficiency standards and equipment	Percentage	Level (Average)	2 (2024)				TBD	TBD	TBD	Not informed by CBA	Source: Access Project Baseline study Year: 2024, Page 37 ; « Tableau des indicateurs du projet Accès provenant du Plan de Suivi et Evaluation »	TBD will be determined with the communication campaign consultant, GOPA, using a baseline value from the 2024 baseline study, which is expected at the end of 2024.
	Female			0.4 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Male			2.6 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Households			2 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Businesses			2.9 (2024)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Adoption rate of attitudes and practices related to energy efficiency equipment and standards	Percentage	Level (Average)	70 (2024)				TBD	TBD	TBD	Not informed by CBA	Source: Access Project Baseline study Year: 2024, Page 38 ; « Tableau des indicateurs du projet Accès provenant du Plan de Suivi et Evaluation »	TBD will be determined with the communication campaign consultant, GOPA, using a baseline value from the 2024 baseline study, which is expected at the end of 2024.
	Female			69.3 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Male			70.1 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Households			70 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Businesses			69.7 (2024)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Households using energy-efficient appliances	Percentage	Level (Average)	18.5 (2024)				TBD	TBD	TBD	Not informed by CBA	Source: Access Project Baseline study Year: 2024, Page 38 ; « Tableau des indicateurs du projet Accès provenant du Plan de Suivi et Evaluation »	TBD will be determined with the communication campaign consultant, GOPA, using a baseline value from the 2024 baseline study, which is expected at the end of 2024.
	Female			15.6 (2024)				TBD	TBD	TBD	Not informed by CBA		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
	Male			19.2 (2024)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Energy cost savings	US dollars	Level (Average)	0 (2024)							Not informed by CBA	Source: Since these localities are not yet connected to the grid, energy cost savings is 0 at baseline. Year: 2024	Targets for the parent and household disaggregation are not available because there is no benefit stream in the CBA for household energy cost savings. For firms, see 02/2024 Rural Electrification ERR (See "ERRs" tab, under Firm Energy Cost Savings columns. Values are the sum of rows E, T, AH, and AU).The CBA and M&E Plan indicator tables are not exactly aligned on timing intervals. While the indicator targets represent September 30th of each year, their values actually reflect CBA projections for January 1st of the following year, three months later.
	Households			0 (2024)							Not informed by CBA		
	Businesses			0 (2024)	0	0	75,506	1,005,869	1,188,474	1,270,593.72 (Year 8, 2029)	Taken directly from CBA benefit stream		
Outcome	Consumer knowledge of key elements of the service regulations, standards and obligations	Percentage	Level (Average)	1.3 (2024)				TBD	TBD	TBD	Not informed by CBA	Source: Access Project Baseline study Year: 2024, Page 38 ; « Tableau des indicateurs du projet Accès provenant du Plan de Suivi et Evaluation »	TBD will be determined with the communication campaign consultant, GOPA, using a baseline value from the 2024 baseline study, which is expected at the end of 2024.
	Female			0.3 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Male			1.7 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Households			1.3 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Businesses			1.6 (2024)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Understanding of the connection process	Percentage	Level (Average)	0.6 (2024)				TBD	TBD	TBD	Not informed by CBA	Source: Access Project Baseline study Year: 2024, Page 39 ; « Tableau des indicateurs du projet Accès provenant du Plan de Suivi et Evaluation »	TBD will be determined with the communication campaign consultant, GOPA, using a baseline value from the 2024 baseline study, which is expected at the end of 2024.
	Female			0 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Male			0.8 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Households			0.6 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Businesses			1.1 (2024)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Knowledge of network connection time	Percentage	Level (Average)	0.8 (2024)				TBD	TBD	TBD	Not informed by CBA	Source: Access Project Baseline study Year: 2024, Page 39 ; « Tableau des indicateurs du projet Accès provenant du Plan de Suivi et Evaluation »	TBD will be determined with the communication campaign consultant, GOPA, using a baseline value from the 2024 baseline study, which is expected at the end of 2024.
	Female			0.3 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Male			0.9 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Households			0.7 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Businesses			1.5 (2024)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Perceptions of the role of electricity as an input to income-generating activities	Percentage	Level (Average)	98.2 (2024)				TBD	TBD	TBD	Not informed by CBA	Source: Access Project Baseline study Year: 2024, Page 39 ; « Tableau des indicateurs du projet Accès provenant du Plan de Suivi et Evaluation »	TBD will be determined with the communication campaign consultant, GOPA, using a baseline value from the 2024 baseline study, which is expected at the end of 2024.
	Female			96.7 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Male			98.7 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Households			98.2 (2024)				TBD	TBD	TBD	Not informed by CBA		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
	Businesses			98.7 (2024)				TBD	TBD	TBD	Not informed by CBA		
Output	Energy efficiency messages	Number	Cumulative	0 (2021)				TBD	TBD		Not informed by CBA	N/A	Communication campaign consultant, GOPA's, Monitoring and Evaluation Plan at the end of 2024.
	Television			0 (2021)				TBD	TBD		Not informed by CBA		
	Radio			0 (2021)				TBD	TBD		Not informed by CBA		
	Billboard			0 (2021)				TBD	TBD		Not informed by CBA		
	Print media			0 (2021)				TBD	TBD		Not informed by CBA		
	Unspecified										Not informed by CBA		
Output	Messages on energy consumption and billing	Number	Cumulative	0 (2021)				TBD	TBD		Not informed by CBA	N/A	Communication campaign consultant, GOPA's, Monitoring and Evaluation Plan at the end of 2024.
	Television			0 (2021)				TBD	TBD		Not informed by CBA		
	Radio			0 (2021)				TBD	TBD		Not informed by CBA		
	Billboard			0 (2021)				TBD	TBD		Not informed by CBA		
	Print media			0 (2021)				TBD	TBD		Not informed by CBA		
	Unspecified										Not informed by CBA		
Output	Messages on the connection process to the Senelec RI network	Number	Cumulative	0 (2021)				TBD	TBD		Not informed by CBA	N/A	Communication campaign consultant, GOPA's, Monitoring and Evaluation Plan at the end of 2024.
	Television			0 (2021)				TBD	TBD		Not informed by CBA		
	Radio			0 (2021)				TBD	TBD		Not informed by CBA		
	Billboard			0 (2021)				TBD	TBD		Not informed by CBA		
	Print media			0 (2021)				TBD	TBD		Not informed by CBA		
	Unspecified										Not informed by CBA		
Output	Messages on the productive uses of electricity in MCC intervention areas	Number	Cumulative	0 (2021)				TBD	TBD		Not informed by CBA	N/A	Communication campaign consultant, GOPA's, Monitoring and Evaluation Plan at the end of 2024.
	Television			0 (2021)				TBD	TBD		Not informed by CBA		
	Radio			0 (2021)				TBD	TBD		Not informed by CBA		
	Billboard			0 (2021)				TBD	TBD		Not informed by CBA		
	Print media			0 (2021)				TBD	TBD		Not informed by CBA		
	Unspecified										Not informed by CBA		
Output	Entities benefiting from accompaniment activities and support for productive uses	Number	Cumulative	0 (2021)				TBD	TBD		Not informed by CBA	N/A	Communication campaign consultant, GOPA's, Monitoring

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Output	Individual	Number	Cumulative	0 (2021)				TBD	TBD		Not informed by CBA	N/A	and Evaluation Plan at the end of 2024.
	GIE			0 (2021)				TBD	TBD		Not informed by CBA		
	GPF			0 (2021)				TBD	TBD		Not informed by CBA		
2.2.2 Market Facilitation for Equipment Access Sub-Activity (Consumer Demand Support)													
Outcome	Satisfaction rate with subsidy	Percentage	Level (Average)	TBD (2024)				TBD	TBD	TBD	Not informed by CBA	Source: Access Project Baseline study Year: 2024	TBD after the baseline study
	Female							TBD	TBD	TBD	Not informed by CBA		
	Male							TBD	TBD	TBD	Not informed by CBA		
	Households			TBD (2024)				TBD	TBD	TBD	Not informed by CBA		
	Businesses			TBD (2024)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Productive-use electrical equipment users	Percentage	Level (Average)	TBD (2024)				TBD	TBD	TBD	Not informed by CBA	Source : MCA-Senegal Phase II Baseline Report_clean_final (2024) ; page 26	For enterprises: Rural Eletrification ERR February 2024, "ERRs" Tab, Column BD Productive Use adoption Rate. The ERR assumed 0% adoption of productive use equipment at baseline, although the baseline study reported 82%. Household targets will be calculated after extrapolating from the baseline study results. The CBA and M&E Plan indicator tables are not exactly aligned on timing intervals. While the indicator targets represent September 30th of each year, their values actually reflect CBA projections for January 1st of the following year, three months later.
	Female			12.1 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Male			22.9 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Households			20.2 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Businesses			82.2 (2024)			55	56.36	57.71	61.7 (Year 8, 2029)	Taken directly or calculated from documented CBA assumption		
Output	Grants awarded for productive use equipment	Number	Cumulative	0 (2024)				225	585	585 (Year 8, 2029)	Not informed by CBA	N/A	Source: DAO Facilitation Accès aux équipementsSource. -Each subsidy corresponds to one equipment item and villages selected for are 130 (50 localities for the base period (Year 4) and 80 localities for the optional period (Year 5) (Source: DAO Facilitation pour les --Equipements; page 103;highlighted text). Estimated number of equipments required, for the 350 villages is 1,575 (source: DAO Facilitation pour les Equipements; page 130, highlighted text). Using proportionality, targets will be: **Year 4: (50x1575)/350 = 225 **Year 5: (50x1575)/350 + (80x1575) /350 = 225 + 360 = 585
2.2.3 Supporting Connections Sub-Activity (Consumer Demand Support)													
Outcome	Perception of households of the availability of equipment for connections in MCC intervention areas	Percentage	Level (Average)	10.3 (2024)				TBD	TBD	TBD	Not informed by CBA	Weighted average between households and businesses. Source: Access Project Baseline study Year: 2024, Table Page 33; Text highlighted in pale grey	TBD after the 2024 baseline study.
	Female			11.7 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Male			5.5 (2024)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Residual stock of meters in the laboratory	Number	Cumulative	0 (2021)				12,700	0	0 (Year 8, 2029)	Not informed by CBA	Implementing Entity Agreement with Senelec	Senelec Action Plan, page 35, cell/text highlighted
Outcome	Time to first visit in the project intervention zone	Days	Level (Average)	7.9 (2021)				5	5	5 (Year 8, 2029)	Not informed by CBA	Source: Senelec Action Plan; Page 5; paragraph 4; text highlighted; Year: 2021	For years 4 and 5: Senelec Action Plan, page 5, paragraph 4, text highlighted

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Outcome	Time to connect in the project intervention zone	Days	Level (Average)	39 (2021)				10	10	10 (Year 8, 2029)	Not informed by CBA	Source: Senelec Action Plan; Page 5; paragraph 5; text highlighted; Year: 2021	For years 4 and 5: Senelec Action Plan, page 5, paragraph 4, text highlighted
Outcome	Degree of customer satisfaction with the relationships and communication developed by electricity suppliers	Percentage	Level (Average)	23.8 (2024)				TBD	TBD	TBD	Not informed by CBA	Weighted average between households and businesses. Source: Access Project Baseline study Year: 2024, Table Page 33; Text highlighted on red	TBD after the 2024 baseline study
	Female			20.8 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Male			18.9 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Households			21.7 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Businesses			31.5 (2024)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Proportion of qualified and competent electricians in interior wiring in MCC's intervention areas	Percentage	Level (Average)	TBD (2024)		50	70	100	100	100 (Year 8, 2029)	Not informed by CBA	Source: Access Project Baseline study Year: 2024	Project calculation to be confirmed by the consultant. The target is to train all electricians available to do interior wiring. Disaggregation targets TBD after the baseline study.
	Female			TBD (2024)				100	100	100 (Year 8, 2029)	Not informed by CBA		
	Male			TBD (2024)				100	100	100 (Year 8, 2029)	Not informed by CBA		
Outcome	Client satisfaction with providers	Percentage	Level (Average)	33.4 (2024)				TBD	TBD	TBD	Not informed by CBA	Weighted average between households and businesses. Source: Access Project Baseline study Year: 2024, Table Page 34; Text highlighted on red	TBD after the baseline study.
	Female			17.4 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Male			41 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Households			32.8 (2024)				TBD	TBD	TBD	Not informed by CBA		
	Businesses			35.8 (2024)				TBD	TBD	TBD	Not informed by CBA		
Outcome	Targeted households benefiting from interior wiring pre-financing	Number	Cumulative	0 (2021)				TBD	6,000	6,000 (Year 8, 2029)	Not informed by CBA	N/A	Senelec Action Plan, page 41, cell highlighted in yellow
Output	Stakeholders strengthened in communication	Number	Cumulative	0 (2021)				TBD	TBD	TBD	Not informed by CBA	N/A	M&E Plan for the communication campaign consultant (GOPA) (2025)
				0 (2021)				TBD	TBD	TBD	Not informed by CBA		
				0 (2021)				TBD	TBD	TBD	Not informed by CBA		
Output	Customer service evaluation date	Date	Date								Not informed by CBA	N/A	The target will be identified in the Senelec Action Plan in 2024.
Output	Technical assistances provided to Senelec regional offices and concessionaires	Number	Cumulative	0 (2021)				8	8		Not informed by CBA	N/A	Senelec Action Plan; Page 16, 35-42
	Training			0 (2021)				5	5		Not informed by CBA		
	Advisory support			0 (2021)				1	1		Not informed by CBA		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
	Other			0 (2021)				3	3		Not informed by CBA		
Output	Establishment of the inventory management system	Date	Date					45,663			Not informed by CBA	N/A	Access Project Quarterly meeting report (Nov. 2024)
Output	Completion of the inventory of electricians qualified to do interior wiring	Date	Date					TBD	TBD		Not informed by CBA	N/A	The target will be identified in 2024 between MCA, Senelec, and the organization of tradesmen.
Output	Electricians trained	Number	Cumulative	0 (2021)					185		Not informed by CBA	N/A	Senelec Action Plan; Page 70, with a target of 30% of all trained electricians to be women.
	Female			0 (2021)					55		Not informed by CBA		
	Male			0 (2021)					130		Not informed by CBA		
2.3 Distribution Network Reinforcement Activity													
Outcome	Avoided technical losses	Megawatt hours	Cumulative	0 (2021)					3,890		Taken directly from CBA benefit stream	Revised Distribution Network Reinforcement Activity ERR. 2024	Revised Distribution Network Reinforcement Activity ERR. The exposure period was drawn from the CBA, whose final year of benefits is compact end (2026)
	Nioro region			0 (2021)					330		Not informed by CBA		
Outcome	Non-distributed energy on the distribution network	Megawatt hours	Level (Cumulative)	15,838 (2019)					5,483		Taken directly from CBA benefit stream	Source: Senelec's Energy Movement Report (Table 12) Year: 2019	Revised 2024 Distribution Netork Reinforcement Activity ERR/ Cell L15 excel Mise a jour ME_Acces_Complement_indicateurs Ameriloration Reseau_v3. The exposure period was drawn from the CBA, whose final year of benefits is 2026.
Outcome	System Average Interruption Duration Index (SAIDI)	Hours	Level	6.23 (2022)					2		Not informed by CBA	Excel file from the Saly workshop (2023) on validation of the locations of distribution network reinforcement activity devices	Excel file from the Saly workshop (2023) validating the locations of distribution network reinforcement activity device locations
	Nioro region			2.52 (2022)					1		Not informed by CBA		
Outcome	System Average Interruption Frequency Index (SAIFI)	Rate	Level	9.18 (2022)					5		Not informed by CBA	Excel file from the Saly workshop (2023) on validation of the locations of distribution network reinforcement activity devices	Excel file from the Saly workshop (2023) validating the locations of distribution network reinforcement activity device locations
	Nioro region			0.95 (2022)					0		Not informed by CBA		
Outcome	Voltage stability	Hours	Level (Average)	TBD (2024)					TBD	TBD	Not informed by CBA	TBD. Will be measured by nLine sensors as part of the Access project evaluation	TBD in 2024, after baseline Nline measurement of the Baseline value.
Outcome	Customer satisfaction index	Percentage	Level (Average)	58.5 (2022)							Not informed by CBA	Source: Excel file from Baseline study for the Reform and Transmission Projects (2022); Column F. File Name : Requette sur Indicateurs_baseline phase I Pour clients hors_dakar_Mathematica	NA because targets were not defined by the project, CBA, or stakeholders.
	Female			56.8 (2022)							Not informed by CBA		
	Male			63.1 (2022)							Not informed by CBA		
	Senelec			64 (2022)							Not informed by CBA		
	CER			45.8 (2022)							Not informed by CBA		
	Households			69.2 (2022)							Not informed by CBA		
	Businesses			53.2 (2022)							Not informed by CBA		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Output	Attachments between radial lines sections installed	Kilometers	Cumulative	0 (2021)				132	132		Not informed by CBA	N/A	Source: DAO offre & Amélioration du Réseau Tom 1 et 2, page 235 and 236 highlighted text on red. (3 Km (page 234)+ 35 km (page235) + 87 Km (page 236) +7,328 Km (page 236) = 132.3)
Output	Remote-controlled overhead cut-off and protection devices installed	Number	Cumulative	0 (2021)					364		Not informed by CBA	N/A	Source: DAO offre & Amélioration du Réseau Tom 1 et 2, page 215
	IAT-CT			0 (2021)					302		Not informed by CBA		
	DRR			0 (2021)					62		Not informed by CBA		
Output	Capacitor batteries installed	Megavolt ampere	Cumulative	0 (2021)					25		Not informed by CBA	N/A	Source : DAO offre & Amélioration du Réseau Tom 1 et 2, page 216; and 217; highlighted. (Capacity batteries installed = 0,6 MVA + 2*1,2 MVA + 11*2MVA)
3.Enabling Environment and Capacity Building Project													
Outcome	Integrated investment planning practices	Index	Level	1.72 (2019)	6				7	7 (Year 7, 2028)	Not informed by CBA	Electricity code consultant (SOFRECO) Year: 2019	Reform Project Team as documented in the "PIMC Targets.xlsx" spreadsheet The exposure period was chosen based on when the endline evaluation will occur. The end of compact target is expected to persist 2 years after the compact closes.
Outcome	Regulatory governance index	Index	Level	0.54 (2022)						1 (Year 7, 2028)	Not informed by CBA	"Rapport de la Situation de Référence MCA-Sénégal II_version finale" Page 118, Table VI.4B. This is a retrospective baseline. The baseline data collection was in 2022, but the value was for the period before the electricity code (2020).	The post-compact target of 1 (which corresponds to the maximum score) is based on discussions with the former MCA project lead and the fact that there was significant progress with the passage of the electricity code (from 0.538 to 0.717) and that more progress between 2021 and 2028 is expected (magnitude). The end of compact situation is expected to persist through 2028 (exposure period).
Outcome	Formal rules adopted	Number	Cumulative	0 (2021)	16	16	19	39	40		Not informed by CBA	N/A	Document: 4_Copie de Laws adopted_renseigné.xlsx The targeted dates for adoption of the formal rules are based on the road map action plan. The objective-level target is based on what was expected to be adopted by the end of the compact (exposure period and magnitude).
Outcome	Operating cost-recovery ratio	Percentage	Level (Cumulative)	90.38 (2019)	100	100	100	100	100	100 (Year 8 2028)	Not informed by CBA	Senelec and CER certified financial statement of 2019. Spreadsheet : Ratios financiers Senelec & CER_Baseline_2019	SYSCOHADA Accountable Norms The target is a generally recognized accounting norm. Therefore, we think it is an appropriate target for all years. The post-program target year of 2028 is based on the timing of the endline evaluation.
	Senelec			92 (2019)	100	100	100	100	100	100 (Year 7, 2028)	Not informed by CBA		
	CER			88.75 (2019)	100	100	100	100	100	100 (Year 7, 2028)	Not informed by CBA		
Outcome	Operating cash flow ratio	Percentage	Level	32.33 (2019)				100	100	100 (Year 8 2028)	Not informed by CBA	Senelec certified financial statement of 2019. Spreadsheet : Ratios financiers CER_Baseline_2019	Document: Plan de Developpement Strategique 2021-2025 (Senelec) Page: 96 The target is a generally recognized accounting norm. Therefore, we think it is an appropriate target for all years. The post-program target year of 2028 is based on the timing of the endline evaluation.
	Senelec			32.76 (2019)				100	100	100 (Year 7, 2028)	Not informed by CBA		
	CER			31.89 (2019)				100	100	100 (Year 7, 2028)	Not informed by CBA		

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Outcome	Net return on equity	Percentage	Level	3.42 (2019)				TBD	TBD	TBD	Not informed by CBA	Senelec certified financial statement of 2019. Spreadsheet : Ratios financiers CER_Baseline_2019	The M&E plan targets are based on Senelec's published plans and performance contracts. Remaining TBDs will be determined used future Senelec plans covering 2028. Contrat de Performance (2021-2023), Page 35 The 2021-2025 Senelec strategic plan includes other indicators and targets that could be used for assessing this result. Taux de rentabilité financière (14% in 2025) • Ratio de productivité 40%, 39%, 38%, 37%, (36% in 2025) • Taux d'accroissement de la liquidité immédiate de Senelec (35% in 2025) • Taux de couverture de la dette (1,4 in 2025)
	Senelec			3.11 (2019)	4	4	5	TBD	TBD	TBD	Not informed by CBA		
	CER			3.72 (2019)				TBD	TBD	TBD	Not informed by CBA		
3.1 Sector Governance Activity													
Outcome	Average cost per kWh	CFA Francs	Level	61.61 (2019)	54	53	51	50	49	TBD	Not informed by CBA	Rapport du Mouvement d'Energies (Senelec) Page 15, Table 7. Year : 2019 The baseline value in the Senelec report (61.61) is slightly different than when the value is derived from the inputs (61.71). This is likely a rounding issue.	DQR report, deliverable 2c, P89 The plan is to use Senelec's strategic plan covering 2028 to establish a post-program target and to remove targets for the compact years in the final M&E plan . If that document is unavailable or does not contained the relevant information, the target may be drawn from a previous Senelec strategic plan or obtained directly from Senelec. The current targets were determined by an M&E consultant, which is not a preferred practice.
Outcome	Total cost of electricity generation	CFA Francs	Level	261,000,000,000 (2019)							Not informed by CBA	Rapport du Mouvement d'Energies (Senelec) Page 16, first paragraph after bullet point list. Year : 2019	NA. The target will be established at the parent indicator level.
Outcome	Total quantity of electricity generated	Kilowatt hours	Level	4,228,940,000 (2019)							Not informed by CBA	Rapport du Mouvement d'Energies (Senelec) Page 11, Table 3. Year : 2019.	NA. The target will be established at the parent indicator level.
Outcome	GoS debt obligations to Senelec	CFA Francs	Level	28,900,000,000 (2020)	28,900,000,000	18,900,000,000	9,000,000,000	0	0	0 (Year 7, 2028)	Not informed by CBA	Letter #2172 dated 24 August 2020 from Ministry of Finance and Economy regarding the lifting of conditions precedent to the compact's entry into force	Letter #2172 dated 24 August 2020 from Ministry of Finance and Economy regarding the lifting of conditions precedent to the compact's entry into force Year 1 = 2021, Year 2 = 2022, Year 3 = 2023 etc...
Outcome	GoS compensation timeliness to Senelec	Days	Level	TBD	90	90	90	90	90	90 (Year 7, 2028)	Not informed by CBA	TBD. MCA has repeatedly tried to obtain this information. It has been able to receive the date that CRSE determines the compensation level from CRSE itself. However, it has not been able to receive the information on when Senelec receives the payment from MPEM/FSE. MPEM says it cannot provide the requested information, so the plan is to try to get this information directly from Senelec. If that fails, the indicator definition may need to change to reflect how the Government uses the Special Energy Sector Support Fund (FSE) to pay the compensation.	Performance Contract (2021-2023). The target is actually less than 90 days since it should be paid within the same quarter it is received. 90 days can be retained for simplicity's sake.
Outcome	GoS compensation timeliness to concessionaires	Days	Level	280.83 (2021)				30	30		Not informed by CBA	Refer to "Délai de paiement des compensations_Concessionnaires 2021".	Concessionaire contract ammdments "Avenant Contrat Conces ER Senegal Comasel Louga_Article 6 - Délai paiement compensation CER"
Outcome	GoS debt recovery rate	Percentage	Level	50 (2019)					100		Not informed by CBA	Refer to "MCC_CP remboursement _Paiement initial" for baseline documentation.	Tableau détaillé de la compensation tarifaire réglée à Senelec en 2021 et 2022".
Output	Sector reimbursement plan adoption	Date	Date		09-Sep-2021						Not informed by CBA	N/A	This was a condition to EIF, and therefore the EIF date is included as the target.
3.1.1 Legal and Sector Framework Sub-Activity													
Outcome	Least-cost generation	Percentage	Level	15 (2019)							Not informed by CBA	Rapport Mouvement d'énergie Pages 11 and 14 Year: 2019	NA. Neither the MCA Reform Project Team nor Senelec defined a target value. There is no plan to obtain it in the future.

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Outcome	Third-party network access contracts	Number	Level (Cumulative)	0 (2021)							Not informed by CBA	N/A	The "third-party access" was expected in December 2022, before this date, the target is NA. After 2022, we have no basis for defining targets because third-party access depends on the performance of operators and the decision of eligible customer to take advantage of their eligibility.
Outcome	KWh price in power purchase agreements	CFA Francs	Level	54.27 (2019)				TBD	TBD	TBD	Not informed by CBA	Document: 2.Prix du KWH dans les CAE.xlsx Tab: Prix du KWh du PPA_VFINALE Cell: L27	NA. Senelec has not provided targets for this indicator, and there is insufficient certainty that they will become available.
Outcome	Power price in third-party access purchase agreements	Percentage	Level	58.46 (2023)							Not informed by CBA	"2.Prix du KWH dans les CAE.xlsx" spreadsheet provided by Senelec in July 2024. The price per kwh data should also be found in Senelec's rapports de mouvement d'énergie for the respective years. The baseline value corresponds to the average kwh price in PPAs during the 2014 - 2023 period. This trend reveals considerable variation during this period (minimum of 46.16 in 2020 and maximum of 104.84 in 2022)	NA. Prices in third-party access power purchase agreements are not currently known, because they depend on the transmission tariff, the eligibility threshold for third-party access and the consumer tariff.
Outcome	Cost transparency index	Index	Level (Average)	3 (2022)							Not informed by CBA	Rapport de la Situation de Référence MCA-Sénégal II MCASENEGAL2 FINAL, P118	NA. The Reform Project Team did not provide a target value. There is no plan to obtain it in the future.
Outcome	Required revenue	CFA Francs	Level	464,899,000,000 (2020)							Not informed by CBA	Decision N° 2020-31 Relating to the maximum authorized income of Senelec» Year: 1st July 2020	NA Neither CRSE or the MCA Reform Project Team have defined a target for this indicator
Outcome	Overall financial performance	Percentage	Level	5.23 (2019)							Not informed by CBA	TBD for parent indicator. The regulator (CRSE) has not yet provided this value, but it is expected to be received. For disaggregations, it is Document: Ratios financiers Senelec & CER_Baseline_2019.xlsx Page: Feuille 1_Résultat Table: N°4	NA Neither Senelec or the MCA Reform Project Team have defined target for this indicator
	Senelec			2.96 (2019)							Not informed by CBA		
	CER			7.5 (2019)							Not informed by CBA		
Output	Promulgation of electricity code	Date	Date		44,448						Not informed by CBA	N/A	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021. Performance contract (2021-2023) targets June 30, 2021. The Road map action plan targeted October 2019. Actual target is pre-EIF 10/30/2019
Output	Application texts drafted	Number	Cumulative	0 (2021)	7	7	7	7	7		Not informed by CBA	N/A	Electricity code 2021-31 du 09 juillet 2021.
Output	Functional bundling completion	Date	Date				20-May-2024				Not informed by CBA	N/A	Annex III of the Compact. MCC Work Plan during Compact Signature. The performance contract has a more ambitious target of completing 'filialisation' by 31 December 2023.
Output	TSO operational	Date	Date				30-Jan-2024				Not informed by CBA	N/A	Page 1110, Chapter XIII, article 87 of the official journal of the government of Senegal states that functional unbundling should be completed within 30 months of the entry into force of the electricity code. This includes the creation of three subsidiaries including the transmission system operator. The electricity code entered into force in July 2021.
Output	Third party access contracts and documents drafted	Date	Date		44,448						Not informed by CBA	N/A	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021. Annex III of the Compact. Pre-EIF target: 13-May-2021.
Process	Approval by MCC of separated Senelec certified financial statements	Date	Date		09-Sep-2021						Not informed by CBA	N/A	End of Compact target source: Roadmap action plan 2019-2024. Actual target is pre-EIF May 2020. All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021.

3.1.2 Ministry Capacity and Sector Planning Sub-Activity

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Output	MPE capacity building plan for integrated planning developed	Date	Date								Not informed by CBA	N/A	NA. This result was achieved before the 2024 M&E plan revision was complete.
Output	MPE staff trained in integrated planning	Number	Cumulative	0 (2021)				7	7		Not informed by CBA	N/A	Document name: AT au MPE - Plan Développement Compétences V4 - Ginger SOFRECO - 240304. The target number of participants is found on page 17. The expected timing of the training is on page 32.
	Female			0 (2021)							Not informed by CBA		
	Male			0 (2021)							Not informed by CBA		
	Unspecified										Not informed by CBA		
Output	Leasing (or affermage) transition plan adopted	Date	Date			03-Apr-2023					Not informed by CBA	N/A	Annex III of the Compact. MCC Work Plan during Compact Signature.
Output	Adoption of an integrated investment plan framework	Date	Date		44,448						Not informed by CBA	N/A	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021. Annex III of the Compact. MCC Work Plan during Compact Signature. Actual target is pre-EIF 9-April- 2021
Output	LPDSE 2024-2029	Date	Date			31-Dec-2023					Not informed by CBA	N/A	Road map action plan. "FINAL Plan Actions 2019-2024" Action "P1A7"
Output	ASER technical support	Percentage	Level	0 (2021)				TBD	100		Not informed by CBA	N/A	TBD. The consultant's work plan will be the basis for the Year 4 target. The request for proposal was issued in August 2024. We are already putting 100 percent as the end of compact target, since we we would expect all the work to be completed before the end of the compact.
3.1.3 Private Sector Participation Sub-Activity													
Outcome	Application processing time	Days	Level					TBD	TBD		Not informed by CBA	Measuring the application processing time was not done during the due diligence and feasibility studies, neither was it part of the implementation contractor's scope of work.	TBD. The target will be determined based on the organizational manual of the guichet unique (Manuel Organisationnel V2 produced by Aprico / RTE International dated July 25, 2024. Page 29). A target cannot be established yet because the project has not indicated which type of application request we should use for this indicator. Once that is determined, the indicator name and target will be updated accordingly.
Outcome	Approved projects	Number	Cumulative	0 (2023)							Not informed by CBA	N/A	NA. Neither the MCA Project team nor the Ministry have provided a target. MCA's email exchange is saved as "Email with MPEM Oct 16, 2024"
Outcome	Private sector participation in electricity generation	Percentage	Level	54 (2019)				TBD	TBD	TBD	Not informed by CBA	Rapport du Mouvement d'Energies (Senelec) Page 11 Year 2019	The team expects to establish a target from the 2023 Energy Information System (SIE) report currently being validated for the LPDSE 2024-2029.

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Outcome	Number of sovereign guarantees	Number	Level	TBD							Not informed by CBA	TBD. The team is working to get supporting documentation for the baseline data provided by MEPM in October 2024. MEPM has provided us with the global value from 2019 to 2023. It is working to provide us with the single value for 2019 of the MFB and related decrees.	NA Neither government or the MCA Reform Project Team have defined target for this indicator.
Outcome	Value of sovereign guarantees	CFA Francs	Level	TBD							Not informed by CBA	TBD. The request has already been sent to MEPM by e-mail. The data will be entered as soon as we receive the response from MEPM. MEPM has provided the global value from 2019 to 2023. It is working to provide us with the single value for 2019 of the MFB and related LFR and decrees.	NA Neither government or the MCA Reform Project Team have defined target for this indicator. Ideally, government contribution to the sector will be 0.
Output	One-stop-shop established	Date	Date			45,107					Not informed by CBA	N/A	Road map action plan. "FINAL Plan Actions 2019-2024"
Output	Investor's guide to the electricity sector developed	Date	Date			45,107					Not informed by CBA	N/A	Road map action plan. "FINAL Plan Actions 2019-2024". See FDR-P1-A5 Description création guichet unique.
Output	IPP solicitation framework	Date	Date		44,448						Not informed by CBA	N/A	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021. Annex III of the Compact. MCC Work Plan during Compact Signature. Actual target is pre-EIF (03-April- 2021)
Output	Ancillary services plan	Date	Date		25-Oct-2021						Not informed by CBA	N/A	Annex III of the Compact. MCC Work Plan during Compact Signature.
Output	Market opening transition plan	Date	Date								Not informed by CBA	N/A	NA. The road map action plan section related to this component does not include a target for this particular milestone.
3.2.1 Regulatory Governance Sub-Activity (Sector Regulatory Strengthening Activity)													
Outcome	Regulatory governance index	Index	Level	0.54 (2022)							Not informed by CBA	"Rapport de la Situation de Référence MCA-Sénégal II_ version finale" Page 118, Table VI.4B. This is a retrospective baseline. The baseline data collection was in 2022, but the value was for the period before the electricity code (2020).	NA. The project did not provide a target. See "Regulatory governance index target email".
Outcome	Law on the regulator and electricity code adopted	Date	Date		44,448						Not informed by CBA	N/A	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021. Actual target is pre-EIF: 30-October-2019. The Road map action plan targeted October 2019.
Outcome	Regulatory independence sub-index	Index	Level	0.5 (2022)	1	1	1	1	1		Not informed by CBA	Rapport de la Situation de Référence MCA-Sénégal II MCASENEGAL2 FINAL, P119	The targets represent a 10% increase year after year. M&E suggested this approach in the original M&E plan.
Outcome	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	Not informed by CBA	TBD. This will be determined with the CRSE business plan expected in December 2024.	TBD. This will be determined with the CRSE business plan expected in December 2024.

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Outcome	CRSE positions filled	Percentage	Level	57.89 (2023)				TBD	TBD	TBD	Not informed by CBA	Document name: CRSE Career Development Plan produced by Mazars and Macroconsulting submitted in March 2024 on page 9.	In its base period report (October 2023), Mazar Macro consulting proposed 15 recruitments by the end of 2023 and the remaining 15 in the first quarter of 2024. However, CRSE has not committed to targets and will not do so until it receives the government decision (arrêté) allocating CRSE the budget for these recruitments. We will base our targets on CRSE's plans if/when they become available. We also note that the CRSE career development plan includes 32 vacant positions, even though the base report suggests there were only 30.
Outcome	Career development training plan completion rate	Number	Cumulative	0 (2023)				16	34		Not informed by CBA	N/A	CRSE Career Development Plan produced by Mazars and Macroconsulting submitted in March 2024. Page 95 - 96.
Outcome	Customer and sector actors' understanding of regulation's purpose and objectives	Percentage	Level (Average)	6.9 (2022)							Not informed by CBA	Rapport de la Situation de Référence MCA-Sénégal II MCASENEGAL2 FINAL, P119	NA. Neither CRSE nor the MCA Reform Project Team provided a target for this indicator.
	Female			1.2 (2022)							Not informed by CBA		
	Male			7.4 (2022)							Not informed by CBA		
Outcome	Customer and sector actors' understanding of regulatory decisions	Percentage	Level (Average)	46.4 (2022)							Not informed by CBA	Rapport de la Situation de Référence MCA-Sénégal II MCASENEGAL2 FINAL, P119	NA. Neither CRSE nor the MCA Reform Project Team provided a target for this indicator.
	Female			1.6 (2022)							Not informed by CBA		
	Male			32.1 (2022)							Not informed by CBA		
Outcome	Number of new CRSE staff hired	Number	Level	0 (2021)					32		Not informed by CBA	NA	Career Development Plan, Mazar Consulting, March 2024, Page 9, first bar chart
	Female			0 (2021)							Not informed by CBA		
	Male			0 (2021)							Not informed by CBA		
	Unspecified										Not informed by CBA		
Output	CRSE job descriptions	Number	Cumulative	0 (2021)							Not informed by CBA	N/A	No target because achievement of the indicator occurred before the indicator's creation
Output	CRSE staff development plan adoption	Date	Date		09-Sep-2021						Not informed by CBA	N/A	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021. Annex III of the Compact. The actual pre-EIF target is 27- May- 2021
Output	Promulgation of the law on the regulator	Date	Date		09-Sep-2021						Not informed by CBA	N/A	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021. Roadmap action plan. Pre-EIF target: 30-OCT-2019
Output	New organizational framework for CRSE	Date	Date		26-Nov-2021						Not informed by CBA	N/A	Annex III of the Compact
Output	CRSE communication plan	Date	Date			03-Apr-2023					Not informed by CBA	N/A	Annex III of the Compact

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Process	Financial autonomy plan	Date	Date		44,448						Not informed by CBA	N/A	All pre-EIF targets are given a target of the EIF date, which is September 9th, 2021. Road Map Action Plan. Activity P1-B3. Actual pre- EIF target is 30-July-2021
Process	CRSE salary study	Date	Date		30-Dec-2021						Not informed by CBA	N/A	Road Map Action Plan. Action P1.B7 the exact date is not specified in the road map action plan, but this is included in a broader activity going from 2020 to 2023. We assume this would need to be done earlier on in that period.
3.2.2 Regulatory Substance Sub-Activity (Sector Regulatory Strengthening Activity)													
Outcome	Regulatory substance index	Index	Level	0.5 (2022)							Not informed by CBA	MCA Baseline Study, Page 94, Table IV.3.11	NA. The project did not provide a target. See "Regulatory governance index target email".
Outcome	Cost-reflective tariff regime	Percentage	Level	TBD	TBD	TBD	TBD	TBD	TBD	TBD	Not informed by CBA	TBD	TBD
Outcome	Cost-reflective tariff	Percentage	Level	75.07 (2021)	85	87	90	TBD	100		Not informed by CBA	These values come from the : 2_ Fiche renseignée de Requêtes juillet 2022_auprès de CRSE et Annoté_DECISION N 2022-16 RMA FINAL 2021_IB, p.4. These values are calculated on the basis of the final RMA for 2021, drawn up and published by the CRSE on decision.	Source Document: MCC FVA_Projections Earnings Tables with JG calculation Cells: U123 to AA123 highlighted in yellow. Targets for years 4 and 5 will be determined if CRSE produces and provides new projections.
Outcome	Average tariff	CFA Francs	Level	112.9 (2021)	102	102	102				Not informed by CBA	These values come from the : 2_ Fiche renseignée de Requêtes juillet 2022_auprès de CRSE et Annoté_DECISION N 2022-16 RMA FINAL 2021_IB, p.4. These values are calculated on the basis of the final RMA for 2021, drawn up and published by the CRSE on decision.	Source Document: MCC FVA_Projections Earnings Tables with JG calculation Cells: U117 to AA117 highlighted
Outcome	Average cost of service	CFA Francs	Level	150.3 (2021)	120	118	114				Not informed by CBA	These values come from the : 2_ Fiche renseignée de Requêtes juillet 2022_auprès de CRSE et Annoté_DECISION N 2022-16 RMA FINAL 2021_IB, p.4. These values are calculated on the basis of the final RMA for 2021, drawn up and published by the CRSE on decision.	Source Document: MCC FVA_Projections Earnings Tables with JG calculation Cells: U122 to AA122 highlighted in blue.
Outcome	Quality data provided by the operators to CRSE	Number	Level	2 (2022)							Not informed by CBA	Rapport de la Situation de Référence MCA-Sénégal II FINAL, P61, paragraphe 3", cf spreadsheet.	NA. The target cannot be derived from any project design studies and the project team has not provided a target.
Outcome	Sector stakeholder understanding of new sector policies and regulations	Percentage	Level	TBD					TBD		Not informed by CBA	TBD. This will be available in the independent evaluator's baseline report (February 2025). This is not a true baseline since it will be coming after three years of implementation.	TBD. The project team will be asked to establish a target based on the baseline when it becomes available.
	Female			TBD					TBD		Not informed by CBA		
	Male			TBD					TBD		Not informed by CBA		
	Unspecified										Not informed by CBA		
Outcome	Tariff plan adoption	Date	Date		44,448						Not informed by CBA	N/A	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021. Annex III of the Compact. Pre-EIF target: 26-May- 2020

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Output	Regulations and regulatory procedures	Number	Cumulative	0 (2021)				39	39		Not informed by CBA	N/A	Development of CRSE regulations and regulatory procedures, Final Report, 4-May-2024, RTE-Nodalys, Page 22-25
Output	Completion of grid audit	Date	Date								Not informed by CBA	N/A	No target, because the result was achieved in early 2022, shortly after the initial M&E plan.
Process	Tariff study completion	Date	Date								Not informed by CBA	N/A	Road Map Action Plan. Activity P1-B2. Pre-EIF target: 30-May-2020
3.3.1 Incentivizing Utility Performance Sub-Activity (Sector Utility Strengthening Activity)													
Outcome	Senelec staff skills in financial management	Percentage	Level	TBD (2022)				TBD	TBD		Not informed by CBA	TBD.The Baseline will be determined through the diagnostic of the consultant (to be hired in early 2025) who will be responsible for providing this technical assistance (Task 2).	TBD.The Target will be determined by Senelec and/or the project team on tha basis of the diagnostic of the consultant who will be responsible for providing this technical assistance (Task 2).
	Female			TBD (2022)				TBD	TBD		Not informed by CBA		
	Male			TBD (2022)				TBD	TBD		Not informed by CBA		
Outcome	Percentage of actions completed	Percentage	Level	0 (2024)				100	100		Not informed by CBA	NA. No actions have been completed prior to establishment of the results-based financing program.	Source document: "Grant Operations Manual_Annex I Payment Matrix Oct-2024", Tab "% of actions completed TARGETS", Cells E20 and H20.
Outcome	Budget execution rate	Percentage	Level	TBD				TBD	TBD		Not informed by CBA	TBD. The Baseline will be determined through the diagnostic of the consultant (to be hired in early 2025) who will be responsible for providing this technical assistance (Task 2).	TBD.The Target will be determined by Senelec and/or the project team on tha basis of the diagnostic of the consultant who will be responsible for providing this technical assistance (Task 2).
Outcome	Customer satisfaction rate	Percentage	TBD								Not informed by CBA	NA. The Grants Operational Manual (Seureca, Oct 2024) does not includea performance indicator for improved customer satisfaction.	NA. The Grants Operational Manual (Seureca, Oct 2024) does not includea performance indicator for improved customer satisfaction.
Outcome	Reporting schedule compliance	Percentage	Level					58	75		Not informed by CBA	NA. The Grants Operational Manual (Seureca, Oct 2024) does not include baseline information and there is no expectation that it will become available.	Source document: "Grant Operations Manual_Annex I Payment Matrix Oct-2024", Cells AJ131 and AK 131 (highlighted)
Outcome	Electricity recovered from adjustment invoices	Kilowatt hours	Level (Cumulative)	701,510 (2024)				772,326	896,068		Not informed by CBA	Document name: Annexe 3 MOD - Fixation des objectifs kWh redressés; Author: Seureca; Date: October 2024; Highlighted values at the bottom of page 10	Source document: "Grant Operations Manual_Annex I Payment Matrix Oct-2024", Cells AJ57 for Pikine Year 4; AK57 for Pikine Year 5; AJ63 for thies Year 4 and AK63 for Year 5 Thies (highlighted).
	Pikine Agency			362,512 (2024)				370,000	391,188		Not informed by CBA		
	Thies Agency			338,998 (2024)				402,326	504,880		Not informed by CBA		
	Unspecified										Not informed by CBA		
Outcome	Identification of poor performance drivers	Date	Date								Not informed by CBA	N/A	NA This result was completed before the 2024 M&E plan revision.
Output	Approval of the Grant Operations Manual	Date	Date								Not informed by CBA	N/A	NA. Result was achieved before target was set.

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Output	Senelec staff training	Number	Cumulative	0 (2021)					TBD		Not informed by CBA	N/A	TBD. Targets should be provided in task 4, which defines the capacity development plan. The consultant is expected to be hired in early 2025, and therefore, that plan should be available in mid-2025.
	Female			0 (2021)					TBD		Not informed by CBA		
	Male			0 (2021)					TBD		Not informed by CBA		
	Unspecified										Not informed by CBA		
Process	Performance incentive program	Date	Date								Not informed by CBA	N/A	NA. The performance incentive program was established before the M&E plan revision.
3.3.2 Network Management Sub-Activity (Sector Utility Strengthening Activity)													
Outcome	Geospatial Maturity Model	Number	Level	2 (2022)					4		Not informed by CBA	Report title: MCA Senegal Deployment Plan VF 17 - 03 - 2023 Report Date: January 2023 Reference: Page 21, Section 1.2.2 - index de maturité, paragraphe 1	Source: Email on GIS Maturity Model Target Nov 2024.
Outcome	Availability rate of lines	Percentage	Level	98.58 (2019)					TBD		Not informed by CBA	Senelec raport on electricity flows, 2019, p.21 table 11.	TBD. The target will be informed by the next performance contract covering the 2024 - 2026 period, which is expected to be available in early to mid-2025.
Outcome	Number of permanent faults on HTA lines per 100 km of HTA lines	Number	Level (Cumulative)	26.88 (2019)	25	20	15	10	10	TBD	Not informed by CBA	Source : Performance Contract 2021-2013 Page 36 Year: 2019	The targets for years 1,2, and 3 are found on page 36 of the 2021-2023 performance contract. The 2024 ammendment to the performance contract mentions this indicator, but does not provide a 2024 target. Targets for Year 4 and Year 5 are drawn from Senelec's strategic plan covering the 2021-2025 period. A post-program will be determined based on the next performance contract or strategic development plan.
Outcome	Energy imported or exported	Megawatt hours	Level (Cumulative)	322,829 (2019)							Not informed by CBA	Rapport mouvement d'énergie 2019, p.11, (Manantali and Felou).	Neither SENELEC nor the MCA Reform Project Director have defined a target for this indicator.
	Imports			322,829 (2019)							Not informed by CBA		
	Exports			0 (2019)							Not informed by CBA		
Outcome	Setup of new dispatching model	Date	Date								Not informed by CBA	N/A	NA. The Reform Project is no longer investing directly in this aspect and therefore has no targets to provide.
Output	Maintenance expenditure-asset value ratio	Percentage	Level (Cumulative)								Not informed by CBA	NA. MCA requested baseline and target information Senelec, but has not received it. There is no expectation to receive it in the future.	NA. MCA requested baseline and target information Senelec, but has not received it.
	MV										Not informed by CBA		
	LV										Not informed by CBA		
Output	Functional GIS of MV/LV network	Date	Date					45,764			Not informed by CBA	N/A	The GIS should be operational when there is provisional acceptance, which is planned for 36 weeks after the contract start notice (which as of July 18, 2024 is expected to occur on August 8th, 2024 at the latest).

Indicator Level	Indicator Name	Unit of Measure	Classification	Baseline (Year)	Year 1	Year 2	Year 3	Year 4	Year 5	Post-Program Target (Year)	Target Link to CBA	Baseline Documentation	Target Documentation
					Sep 2021 - Sep 2022	Oct 2022 - Sep 2023	Oct 2023 - Sep 2024	Oct 2024 - Sep 2025	Oct 2025 - Sep 2026				
Output	Employees trained in the Computerized Maintenance Management System	Number	Cumulative	0 (2021)				TBD	TBD		Not informed by CBA	N/A	TBD. Targets are expected to be obtained from deliverables L1.a, L1.b, L3 et L4.
	Female			0 (2021)				TBD	TBD		Not informed by CBA		
	Male			0 (2021)				TBD	TBD		Not informed by CBA		
	Unspecified										Not informed by CBA		

ANNEX III: M&E PLAN MODIFICATIONS

Note: All non-ITT indicators were omitted from the last M&E Plan MIS build because previous guidance did not require non-ITT indicators to be built in. They have been built in during this revision, and have been treated by the system as newly created indicators though they previously existed. The edits that were made during this revision for those indicators are included in the justification.

<i>Load shedding events experienced by customers</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Number of load shedding events recorded in a	Number of load shedding events recorded in a
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
<i>Load shedding events experienced by customers</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	
	Justification Description:	Value should be TBD.	
<i>Load shedding events experienced by customers</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			

Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification Description:	The M&E Plan revision is taking place after the years that were changed to N/A. Being changed to N/A to comply with M&E Plan guidance.					

Load shedding events experienced by customers (Manual)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets						
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan is taking place after the Years that have been changed to N/A targets. Changed to N/A to comply with M&E Plan guidance.					

Load shedding events experienced by customers (Automatic)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets						

Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
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Justification:	TBD replaced with no target	
Justification Description:	M&E Plan revision is taking place after the years that have been changed to N/A targets. Targets were changed to N/A to comply with M&E Plan guidance.	

Non-distributed energy on the network

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		16,875	13,622
	Justification:	More accurate information emerges	
	Justification Description:	The baseline year was moved to 2021 in order to be able to document children values.	

Non-distributed energy on the network

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Estimation of all non-distributed energy from	The quantity of network electricity that should
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to definition to align with M&E Plan guidance.	

Non-distributed energy on the network

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project
Activity:	

Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	
	Justification Description:	Post-program target was incorrectly not entered as TBD during last revision.	
<i>Non-distributed energy on the network (HV)</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	6,021
	Justification:	More accurate information emerges	
	Justification Description:	The baseline year was moved to 2021 in order to be able to document children values.	
<i>Customers experiencing at least one service interruption</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		[Sum of customers stating they have	[Sum of customers stating they have experienced
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	The definition was changed to correct a typo (The word "seven" was omitted accidentally from the initial version of the M&E Plan, and a period was added).	

Customers experiencing at least one service interruption (LV Domestic)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	56.8
	Justification:	More accurate information emerges	
	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	
Customers experiencing at least one service interruption (LV Business)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	60.4
	Justification:	More accurate information emerges	
	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	
Customers experiencing at least one service interruption (MV)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	1.8
	Justification:	More accurate information emerges	

	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	
Customers experiencing at least one service interruption (HV)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	1.8
	Justification:	More accurate information emerges	
	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	
Customers experiencing at least one service interruption (Senelec)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	30.2
	Justification:	More accurate information emerges	
	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	
Customers experiencing at least one service interruption (CER)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	

	Modification:	Previous	Revised
		TBD	TBD
	Justification:	More accurate information emerges	
	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	

Average duration of service interruptions experienced (LV Domestic)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	2.8
	Justification:	More accurate information emerges	
	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	

Average duration of service interruptions experienced (LV Business)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	1.3
	Justification:	More accurate information emerges	
	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	

Average duration of service interruptions experienced (MV)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			

Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	0.04
	Justification:	More accurate information emerges	
	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	
<i>Average duration of service interruptions experienced (HV)</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	0.04
	Justification:	More accurate information emerges	
	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	
<i>Average duration of service interruptions experienced (Senelec)</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	1
	Justification:	More accurate information emerges	
	Justification Description:	TBD baseline was replaced with a value from the MCA Baseline Study (Phase I) conducted after the initial M&E Plan.	

Average kWh generation cost							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Weighted average of generation costs from all			Weighted average of generation costs from all		
	Justification:	Additional clarity is required to accurately measure or interpret an indicator					
	Justification Description:	Calculation method is now included.					
Average kWh generation cost							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					37.41		
	Justification:	TBD replaced with target					
	Justification Description:						
Average kWh generation cost							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				36.94	36.98	36.98
	Previous Targets	54.06	52.72	51.42	50.15	48.85	48.85

	Justification:	Corrections to erroneous data	
	Justification Description:	The source of the previous targets was a data quality review consultant's recommendations. However, it is less than ideal for M&E staff or consultants to determine targets. The updated targets come from Senelec's 2019 generation plan covering the 2020-2035 generation plan.	
Average kWh generation cost (Fuel)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	68.37
	Justification:	TBD replaced with baseline	
	Justification Description:	This was an omission from the initial M&E plan. Baseline data is available in "Rapport Mouvement d'Energie 2019"	
Average kWh generation cost (Coal)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	34.47
	Justification:	TBD replaced with baseline	
	Justification Description:	This was an omission from the initial M&E plan. Baseline data is available in "Rapport Mouvement d'Energie 2019"	
Average kWh generation cost (Solar)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		

Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	70.8
	Justification:	TBD replaced with baseline	
	Justification Description:	This was an omission from the initial M&E plan. Baseline data is available in "Rapport Mouvement d'Energie 2019"	

Average kWh generation cost (Wind)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	40.64
	Justification:	TBD replaced with baseline	
	Justification Description:	This was an omission from the initial M&E plan. Baseline data is available in "Rapport Mouvement d'Energie 2019"	

Average kWh generation cost (Hydro)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	20.82
	Justification:	TBD replaced with baseline	
	Justification Description:	This was an omission from the initial M&E plan. Baseline data is available in "Rapport Mouvement d'Energie 2019"	

Average kWh generation cost (Gas)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	
	Justification:	TBD replaced with no baseline	
	Justification Description:	Gas was not a source of power generation in 2019. "N/A" seemed more appropriate than providing a "0" value.	
System Average Interruption Frequency Index (SAIFI)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Sum of customer-interruptions in a quarter /	Sum of customer-interruptions in a quarter /
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	A period was added to the end of the definition to align with MCC Common Indicator guidance.	
Additional energy transmitted and distributed in the Dakar peninsula			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.1 Transmission Network Build Out Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			1449609

	Justification:	TBD replaced with target					
	Justification Description:	The previous M&E plan did not have a post-program target, which is now added based on the CBA. We chose 2028, because that is likely when the final data collection would occur.					
<i>Additional energy transmitted and distributed in the Dakar peninsula</i>							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.1 Transmission Network Build Out Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				245,981	565,141	565,14
	Previous Targets	0	245,981	565,141	850,649	1,141,168	1,141,1
	Justification:	Corrections to erroneous data					
	Justification Description:	The annual and end of compact targets are modified to reflect the CBA model that was updated based on the January 2024 program modification.					
<i>Kilometers of transmission lines upgraded or built</i>							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.1 Transmission Network Build Out Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	22	45.3	45.3	45.3	45.3
	Previous Targets	0	20	45.5	45.5	45.5	45.5
	Justification:	Corrections to erroneous data					
	Justification Description:	The target for the line Kounoune Patte d'Oie is 22 km in the feasibility study document and not 20 km for year 2 as stated in the initial M&E plan.					

Transmission throughput capacity added							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.1 Transmission Network Build Out Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	385	1,925			
	Previous Targets	0	385	1,925	1,925	1,925	1,925
	Justification:	TBD replaced with no target					
	Justification Description:	Year 4 and Year 5 targets removed since this is a level indicator.					
Substations constructed or expanded							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.1 Transmission Network Build Out Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Sum of air-insulated and gas-insulated			Sum of air-insulated and gas-insulated		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added period to definition to align with M&E Plan guidance. "Funds" changed to "support" to be consistent with other indicators.					
Substations constructed or expanded (Constructed)							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.1 Transmission Network Build Out Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of

	Revised Targets	0	0		2	2	2
	Previous Targets	0	0	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	Justification Description:	Target documentation is available. Also, Year 3 target is now N/A because this M&E Plan revision is taking place during Year 3.					

Substations constructed or expanded (Expanded)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.1 Transmission Network Build Out Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0		1	1	1
	Previous Targets	0	0	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target					
	Justification Description:	Target documentation is available. Also, Year 3 target is now N/A because this M&E Plan revision is taking place during Year 3.					

Transformers added

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project					
Activity:	1.1 Transmission Network Build Out Activity					
Sub-Activity:						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification				
	Modification:	Previous			Revised	
		The sum of transformers that are added with			The sum of transformers that are added with	
	Justification:	Correction of spelling or formatting error.				
	Justification Description:	Added period to definition to align with M&E Plan guidance. "Funding" changed to "support" to be consistent with other indicators.				

<i>Additional energy transmitted from added transformers</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			360743.9
	Justification:	TBD replaced with target	
	Justification Description:	The previous M&E plan did not have a post-program target, which is now added based on the CBA. We chose 2028, because that is likely when the final data collection would occur.	

<i>Additional energy transmitted from added transformers</i>							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				33,247.5	71,682.1	71,682.
	Previous Targets	33,247	71,682	127,768	241,008	360,745	360,74

	Justification:	TBD replaced with target					
	Justification Description:	The annual and end of compact targets are modified to reflect the CBA model that was updated based on the January 2024 program modification.					

<i>Additional energy transmitted from added transformers (Touba)</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised

			6345.5
	Justification:	TBD replaced with target	
	Justification Description:	The previous M&E plan did not have a post-program target, which is now added based on the CBA. We chose 2028, because that is likely when the final data collection would occur.	

Additional energy transmitted from added transformers (Touba)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets						
	Previous Targets	0	0	0	5,382	6,345	6,345

	Justification:	Corrections to erroneous data	
	Justification	Shaded in 0 targets.	
	Description:		

Additional energy transmitted from added transformers (Diass)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			5382.2
	Justification:	TBD replaced with target	
	Justification Description:	The previous M&E plan did not have a post-program target, which is now added based on the CBA. We chose 2028, because that is likely when the final data collection would occur.	

Additional energy transmitted from added transformers (Diass)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project
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Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets						
	Previous Targets	0	0	0	0	5,382	5,382

	Justification:	Corrections to erroneous data					
	Justification Description:	0 targets were changed to N/A.					

Additional energy transmitted from added transformers (Hann)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project				
Activity:	1.2 Transformer Replacement Program Activity				
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Post-Program Target Modification			
	Modification:	Previous		Revised	
				166007.1	
	Justification:	TBD replaced with target			
	Justification Description:	The previous M&E plan did not have a post-program target, which is now added based on the CBA. We chose 2028, because that is likely when the final data collection would occur.			

Additional energy transmitted from added transformers (Hann)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets					7,054	7,054
	Previous Targets	0	7,054	27,555	95,721	16,007	16,007

	Justification:	Corrections to erroneous data	
	Justification	0 targets were shaded in.	
	Description:		

Additional energy transmitted from added transformers (Aeroporto)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			183009.1
	Justification:	TBD replaced with target	
	Justification Description:	The previous M&E plan did not have a post-program target, which is now added based on the CBA. We chose 2028, because that is likely when the final data collection would occur.	

Additional energy transmitted from added transformers (Aeroporto)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				33,247.5	64,628.1	64,628.
	Previous Targets	33,247	64,628	100,213	140,006	183,009	183,00

	Justification:	Corrections to erroneous data	
	Justification	0 targets were shaded in.	
	Description:		

Substation overloading

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project
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Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		101	100.17
	Justification:	More accurate information emerges	
	Justification Description:	The previous baselines were based on projections for maximum load in 2023, which have now been corrected. The load projections have also been revised with the help of MCC/EPG's due	
Substation overloading			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		[Weighted average of the Non-coincident Peak	[Weighted average of the Non-coincident Peak
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
Substation overloading			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			68.39
	Justification:	Corrections to erroneous data	

	Justification Description:	These targets established in 2024 are based on the maximum load recorded in 2023 at each of the four substations and Senelec's estimation for the maximum load in 2035. Linear load growth is projected between 2023 and 2025. The targets are established by comparing the expected load with the expected capacity. See "Substation_Overloading_Baselines_Targets_Jul15, 2024" for more details.				

Substation overloading							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				64.53	65.43	65.43
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target				
	Justification Description:	These targets established in 2024 are based on the maximum load recorded in 2023 at each of the four substations and Senelec's estimation for the maximum load in 2035. Linear load growth is projected between 2023 and 2025. The targets are established by comparing the expected load with the expected capacity. See "Substation_Overloading_Baselines_Targets_Jul15, 2024" for more details.				

Substation overloading (Touba)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		99	71.25
	Justification:	More accurate information emerges	

	Justification Description:	The previous baselines were based on projections for maximum load in 2023, which have now been corrected. The load projections have also been revised with the help of MCC/EPG's due diligence consultants.					
Substation overloading (Touba)							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					63.31		
	Justification:	Corrections to erroneous data					
	Justification Description:	These targets established in 2024 are based on the maximum load recorded in 2023 at each of the four substations and Senelec's estimation for the maximum load in 2035. Linear load growth is projected between 2023 and 2025. The targets are established by comparing the expected load with the expected capacity. See "Substation_Overloading_Baselines_Targets_Jul15, 2024" for more details.					
Substation overloading (Touba)							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				68.5	67.16	67.16
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

	Justification Description:	These targets established in 2024 are based on the maximum load recorded in 2023 at each of the four substations and Senelec's estimation for the maximum load in 2035. Linear load growth is projected between 2023 and 2025. The targets are established by comparing the expected load with the expected capacity. See "Substation_Overloading_Baselines_Targets_Jul15, 2024" for more details.	
Substation overloading (Diass)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		103	94.75
	Justification:	More accurate information emerges	
	Justification Description:	The previous baselines were based on projections for maximum load in 2023, which have now been corrected. The load projections have also been revised with the help of MCC/EPG's due diligence consultants.	
Substation overloading (Diass)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			50.17
	Justification:	Corrections to erroneous data	

	Justification Description:	These targets established in 2024 are based on the maximum load recorded in 2023 at each of the four substations and Senelec's estimation for the maximum load in 2035. Linear load growth is projected between 2023 and 2025. The targets are established by comparing the expected load with the expected capacity. See "Substation_Overloading_Baselines_Targets_Jul15, 2024" for more details.				

Substation overloading (Diass)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				48.29	48.75	48.75
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target				
	Justification Description:	These targets established in 2024 are based on the maximum load recorded in 2023 at each of the four substations and Senelec's estimation for the maximum load in 2035. Linear load growth is projected between 2023 and 2025. The targets are established by comparing the expected load with the expected capacity. See "Substation_Overloading_Baselines_Targets_Jul15, 2024" for more details.				

Substation overloading (Hann)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project				
Activity:	1.2 Transformer Replacement Program Activity				
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Baseline Modification			
	Modification:	Previous		Revised	
		100.81		76.88	
	Justification:	More accurate information emerges			

	Justification Description:	The previous baselines were based on projections for maximum load in 2023, which have now been corrected. The load projections have also been revised with the help of MCC/EPG's due diligence consultants.					
Substation overloading (Hann)							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					63.7		
	Justification:	Corrections to erroneous data					
	Justification Description:	These targets established in 2024 are based on the maximum load recorded in 2023 at each of the four substations and Senelec's estimation for the maximum load in 2035. Linear load growth is projected between 2023 and 2025. The targets are established by comparing the expected load with the expected capacity. See "Substation_Overloading_Baselines_Targets_Jul15, 2024" for more details.					
Substation overloading (Hann)							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.2 Transformer Replacement Program Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				55.1	57.14	57.14
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

	Justification Description:	These targets established in 2024 are based on the maximum load recorded in 2023 at each of the four substations and Senelec's estimation for the maximum load in 2035. Linear load growth is projected between 2023 and 2025. The targets are established by comparing the expected load with the expected capacity. See "Substation_Overloading_Baselines_Targets_Jul15, 2024" for more details.	
Substation overloading (Aeroport)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		100.88	164.5
	Justification:	More accurate information emerges	
	Justification Description:	The previous baselines were based on projections for maximum load in 2023, which have now been corrected. The load projections have also been revised with the help of MCC/EPG's due diligence consultants.	
Substation overloading (Aeroport)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			87.99
	Justification:	Corrections to erroneous data	
	Justification Description:	These targets established in 2024 are based on the maximum load recorded in 2023 at each of the four substations and Senelec's estimation for the maximum load in 2035. Linear load growth is projected between 2023 and 2025. The targets are established by comparing the expected load with the expected capacity. See "Substation_Overloading_Baselines_Targets_Jul15, 2024" for more details.	

Substation overloading (Aeroport)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Target Modification	
		Year 1	Year 2
	Revised Targets		Year 3
	Previous Targets	TBD	TBD
		Year 4	Year 5
		84.12	85.07
		TBD	TBD
	Justification:	TBD replaced with target	
	Justification Description:	These targets established in 2024 are based on the maximum load recorded in 2023 at each of the four substations and Senelec's estimation for the maximum load in 2035. Linear load growth is projected between 2023 and 2025. The targets are established by comparing the expected load with the expected capacity. See "Substation_Overloading_Baselines_Targets_Jul15, 2024" for more details.	
Transformers upgraded or replaced			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.2 Transformer Replacement Program Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The sum of transformers that are upgraded or	The sum of transformers that are upgraded or
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to definition to align with M&E Plan guidance.	
Electricity from intermittent sources			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		

Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		6.85	6.79
	Justification:	Corrections to erroneous data	
	Justification Description:	The initial M&E plan had a baseline that was a few decimal points different. The source of this minor calculation error is unclear.	

Electricity from intermittent sources

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		[Electricity transmitted on the interconnected	[Electricity transmitted on the interconnected
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	

Electricity from intermittent sources

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	
	Justification Description:	Post-program target was accidentally not entered as TBD during last M&E Plan.	

Electricity from intermittent sources							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.3 Grid Stabilization Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					
Capacity factor of solar energy power plants							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.3 Grid Stabilization Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	The targets for Years 1-3 were changed from TBD to no target since the revision is taking place during Year 3.					
Capacity factor of solar energy power plants							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.3 Grid Stabilization Activity						

Sub-Activity:							
M&E Plan Version 2	Modification Description:	Baseline Modification					
	Modification:	Previous				Revised	
		12.88				18.09	
	Justification:	Existing indicators do not sufficiently measure project logic					
	Justification Description:	The baseline was corrected due to erroneous data. The initial M&E plan had a baseline that was slightly different because it was pulling the denominator from a different source document. Now the baseline value is calculated from the same source document.					
Intermittent energy curtailment							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.3 Grid Stabilization Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	The targets for Years 1-3 were changed from TBD to no target since the revision is taking place during Year 3.					
Intermittent energy curtailment							
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.3 Grid Stabilization Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous				Revised	
		Planned (or deemed) quantity of electricity				Planned quantity of electricity generated from all	

	Justification:	Correction of spelling or formatting error.	
	Justification	A period was added to the end of the definition to align with M&E Plan guidance, and "or deemed" was also deleted from the definition.	
	Description:		
Intermittent energy curtailment			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification	Baseline Modification	
	Description:		
	Modification:	Previous	Revised
		TBD	83,908
	Justification:	TBD replaced with baseline	
	Justification	The team established a baseline using the "Rapport Mouvement d'Energie 2022", which was not avaiable during the initial M&E plan.	
Description:			
Voltage stability			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification	Baseline Modification	
	Description:		
	Modification:	Previous	Revised
		TBD	94.58
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification	The TBD baseline was replaced with a value, as the lack of baseline was an omission in the initial M&E Plan.	
Description:			
Voltage stability			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			

M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		[Number of hours during which the voltage is +/-	[Number of hours during which the voltage is +/-
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	A period was added to the end of the definition to align with M&E Plan guidance.	
<i>Frequency stability</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		[Number of hours during which the frequency	Number of hours during which the frequency
	Justification:	Additional clarity required to accurately measure or interpret an indicator.	
	Justification Description:	Additional clarity was added to the definition because the previous definition had the acceptable frequency level as between 47.5 Hz and 52.5 Hz. However, the rapport de mouvement d'energie states that it should be between 49.8Hz and 50.2Hz.	
<i>Power generation capacity equipped with speed and voltage regulator</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The sum of generation capacity in MVA with a	The sum of generation capacity in MVA with a
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	During this revision, the definition was edited to add x100 indicate percentage formula. Also added a period to align with M&E Plan guidance.	

Power generation capacity equipped with speed and voltage regulator			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
		TBD	63.3
	Justification:	TBD replaced with target	
	Justification Description:	TBD post-program target was replaced with the projected value for 2027. The target setting exercise conducted in 2021 only went as far as 2027 and therefore there is no target beyond that date.	
Power generation capacity equipped with speed and voltage regulator (Independent Power Producer)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
		TBD	70
	Justification:	TBD replaced with target	
	Justification Description:	TBD post-program target was replaced with the projected value for 2027. The target setting exercise conducted in 2021 only went as far as 2027 and therefore there is no target beyond that date.	
Power generation capacity equipped with speed and voltage regulator (Government-owned)			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			

M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
		TBD	26
	Justification:	TBD replaced with target	
	Justification Description:	TBD post-program target was replaced with the projected value for 2027. The target setting exercise conducted in 2021 only went as far as 2027 and therefore there is no target beyond that date.	
Number of batteries installed			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Justification:	Cost of data collection for indicator outweighs usefulness	
	Justification Description:	This indicator is retired in an effort to reduce indicators and the efforts required for collecting the data. There is another indicator for this result that remains.	
Battery storage capacity installed			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Total capacity in ampere-hours of battery	Total capacity in ampere-hours of battery
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
Execution rate of the operating reserve strategy			

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
		Total capacity in ampere-hours of battery	Total capacity in ampere-hours of battery
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	A period was added to the definition to align with M&E Plan guidance. Also, removed "Can be estimated as" from definition and edited to make it read like a definition.	

Least-cost generation

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.3 Grid Stabilization Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	The TBD targets were replaced with no target because neither Senelec nor the CBA have a target for this indicator, and this is not expected to change before the end of the compact.					

Date of receipt of remote load-shedding equipment

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Justification:	Irrelevant due to change in the project as a result of an official program modification that results	

	Justification Description:	The compact modification (January 2024) states that "Under the Network Management System Sub-Activity, the Automated Load Shedding (ALS) system will be descoped and only the installation of a second circuit between Taiba N'Diaye Windfarm and Tobene Substation and the related engineering and supervision work will remain."	
<i>Quantity of energy injected on the network from the newly installed batteries</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Justification:	Cost of data collection for indicator outweighs usefulness	
	Justification Description:	This indicator is retired in an effort to reduce indicators and the efforts required for collecting the data. This is a risk/assumption for an activity that MCC has largely descoped.	
<i>Adoption date of operating reserve strategy</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the operating reserve strategy is	Date at which the operating reserve strategy is
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
<i>Thermal generation capacity development</i>			
Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			

M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	09-Sep-2021					09-Sep-
	Previous Targets						
	Justification:	TBD replaced with no target					
	Justification Description:	TBD targets for Years 1-3 were replaced with no target since the M&E Plan revision is taking place after the years that are being changed to no target.					

Thermal generation capacity development

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project				
Activity:	1.3 Grid Stabilization Activity				
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Baseline Modification			
	Modification:	Previous		Revised	
		75		60.54	
	Justification:	Existing indicators do not sufficiently measure project logic			
	Justification Description:	The baseline was corrected because It is unclear how the previous baseline of 75% was calculated. That value is not found in the source document. The new value represents the correct calculation based on the indicator definition. The calculation sheets are now included as part of the baseline documentation.			

Thermal generation capacity development

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project				
Activity:	1.3 Grid Stabilization Activity				
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Indicator Definition Modification			
	Modification:	Previous		Revised	
		Date at which the operating reserve strategy is		Date at which the operating reserve strategy is	
	Justification:	Correction of spelling or formatting error.			

Sub-Activity:							
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		The total Megawatt hours of electricity			The total Megawatt hours of electricity sold		
	Justification:	Additional clarity is required to accurately measure or interpret an indicator					
	Justification Description:	The definition clarifies that electricity sold, rather than consumed, is what is being measured. Energy sold is a good proxy for energy consumed since people generally purchase what they will consume.					
Electricity consumption for domestic use							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					2711		
	Justification:	Corrections to erroneous data					
	Justification Description:	Targets revised based on updated Rural Electrification CBA, part of the 2024 compact modification					
Electricity consumption for domestic use							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	139	2,186	2,569	2,569
	Previous Targets	0	0	2,150	2,211	2,273	2,273

	Justification:	Change to the project as a result of an official program modification that results in a new target being relevant					
	Justification Description:	Targets revised based on updated Rural Electrification CBA, part of the 2024 compact modification					
Electricity consumption for domestic use (Tambacounda)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					165		
	Justification:	Corrections to erroneous data					
	Justification Description:	Targets revised based on updated Rural Electrification CBA, part of the 2024 compact modification					
Electricity consumption for domestic use (Tambacounda)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	8	133	156	156
	Previous Targets	0	0	186	193	200	200
	Justification:	Change to the project as a result of an official program modification that results in a new target being relevant					
	Justification Description:	Targets revised based on updated Rural Electrification CBA, part of the 2024 compact modification					

Electricity consumption for domestic use (Foundiougne)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			836
	Justification:	Corrections to erroneous data	
	Justification Description:	Targets revised based on updated Rural Electrification CBA, part of the 2024 compact modification	

Electricity consumption for domestic use (Foundiougne)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	44	675	793	793
	Previous Targets	0	0	1,212	1,244	1,277	1,277

	Justification:	Change to the project as a result of an official program modification that results in a new target being relevant		
	Justification Description:	Targets revised based on updated Rural Electrification CBA, part of the 2024 compact modification		

Electricity consumption for domestic use (Nioro du rip, Bounkiling and Medina Yoro Foulfa)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project
Activity:	
Sub-Activity:	

M&E Plan Version 2	Modification Description:	Post-Program Target Modification		
	Modification:	Previous	Revised	
				1349
	Justification:	Corrections to erroneous data		
	Justification Description:	Targets revised based on updated Rural electrification. CBA, part of the 2024 compact modification		

Electricity consumption for domestic use (Nioro du rip, Bounkiling and Medina Yoro Foula)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	69	1,088	1,279	1,279
	Previous Targets	0	0	584	601	617	617

	Justification:	Change to the project as a result of an official program modification that results in a new target being relevant					
	Justification Description:	Targets revised based on updated Rural electrification. CBA, part of the 2024 compact modification					

Electricity consumption for domestic use (Velingara)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project				
Activity:					
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Post-Program Target Modification			
	Modification:	Previous		Revised	
				361	
	Justification:	Change maintains integrity of ERR			

	Justification Description:	Targets revised based on updated Rural electrification. CBA, part of the 2024 compact modification					
Electricity consumption for domestic use (Velingara)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	18	290	341	341
	Previous Targets	0	0	168	173	179	179
	Justification:	Change to the project as a result of an official program modification that results in a new target being relevant					
	Justification Description:	Targets revised based on updated Rural electrification. CBA, part of the 2024 compact modification					
Electricity consumption for productive use							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		The total Megawatt hours of electricity			The total Megawatt hours of electricity sold		
	Justification:	Additional clarity is required to accurately measure or interpret an indicator					
	Justification Description:	The definition clarifies that electricity sold, rather than consumed, is what is being measured. Energy sold is a good proxy for energy consumed since people generally purchase what they will consume. The definition also was clarified to indicate that it reflects energy being consumed by businesses.					

Electricity consumption for productive use

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			2885
	Justification:	Corrections to erroneous data	
	Justification Description:	Targets revised based on updated Rural Electrification CBA, part of the 2024 compact modification	

Electricity consumption for productive use

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	171	2,284	2,700	2,700
	Previous Targets	0	0	2,721	2,810	2,900	2,900

	Justification:	Change to the project as a result of an official program modification that results in a new target being relevant	
	Justification Description:	Targets revised based on updated Rural Electrification CBA, part of the 2024 compact modification	

Electricity consumption for productive use (Tambacounda)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project
Activity:	
Sub-Activity:	

M&E Plan Version 2	Modification Description:	Post-Program Target Modification		
	Modification:	Previous	Revised	
				1386
	Justification:	Corrections to erroneous data		
	Justification Description:	Targets revised based on updated Rural electrification. CBA, part of the 2024 compact modification		

Electricity consumption for productive use (Tambacounda)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	82	1,097	1,297	1,297
	Previous Targets	0	0	1,438	1,491	1,545	1,545

	Justification:	Change to the project as a result of an official program modification that results in a new target being relevant					
	Justification Description:	Targets revised based on updated Rural electrification. CBA, part of the 2024 compact modification					

Electricity consumption for productive use (Foundiougne)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project				
Activity:					
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Post-Program Target Modification			
	Modification:	Previous		Revised	
				521	
	Justification:	Corrections to erroneous data			

Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	45	602	712	712
	Previous Targets	0	0	353	363	373	373

	Justification:	Change to the project as a result of an official program modification that results in a new target being relevant					
	Justification Description:	Targets revised based on updated Rural electrification. CBA, part of the 2024 compact modification					

Electricity consumption for productive use (Velingara)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project				
Activity:					
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Post-Program Target Modification			
	Modification:	Previous		Revised	
				217	
	Justification:	Corrections to erroneous data			
	Justification Description:	Targets revised based on updated Rural electrification. CBA, part of the 2024 compact modification			

Electricity consumption for productive use (Velingara)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	13	172	203	203

Previous Targets	0	0	102	105	108	108
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Justification:	Change to the project as a result of an official program modification that results in a new target being relevant
Justification Description:	Targets revised based on updated Rural electrification. CBA, part of the 2024 compact modification

Temporary employment generated in power infrastructure construction

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Justification:	MCC requires new common indicator be used for measurement across all projects of a certain	
	Justification Description:	This indicator is deemed relevant to measure temporary employment on Access project infrastructure works, aligning with the common indicator guidance.	

Electricity access in project areas

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The population with effective access to	The population with effective access to
	Justification:	Additional clarity is required to accurately measure or interpret an indicator	
	Justification Description:	The definition has been updated to define effective access.	

Electricity access in project areas

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project
Activity:	2.1 Supply-Side Intervention Activity
Sub-Activity:	

M&E Plan Version 2	Modification Description:	Post-Program Target Modification		
	Modification:	Previous	Revised	
		TBD	65	
	Justification:	TBD replaced with target		
	Justification Description:	Targets drawn from revised Rural Electrification ERR		

Electricity access in project areas

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	3	53	62	62
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target					
	Justification Description:	Targets drawn from revised Rural Electrification ERR					

Electricity access in project areas (Tambacounda)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project				
Activity:	2.1 Supply-Side Intervention Activity				
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Post-Program Target Modification			
	Modification:	Previous		Revised	
				57	
	Justification:	TBD replaced with target			
	Justification Description:	Targets drawn from revised Rural Electrification ERR			

Electricity access in project areas (Tambacounda)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	3	46	54	54
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	Justification Description:	Targets drawn from revised Rural Electrification ERR					
Electricity access in project areas (Foundiougne)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					68		
	Justification:	TBD replaced with target					
	Justification Description:	Targets drawn from revised Rural Electrification ERR					
Electricity access in project areas (Foundiougne)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					

		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	3	55	64	64
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	Justification Description:	Targets drawn from revised Rural Electrification ERR					
Electricity access in project areas (Niore du rip, Bounkiling and Medina Yoro Foulala)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					66		
	Justification:	TBD replaced with target					
	Justification Description:	Targets drawn from revised Rural Electrification ERR					
Electricity access in project areas (Niore du rip, Bounkiling and Medina Yoro Foulala)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	3	53	63	63
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	Justification Description:	Targets drawn from revised Rural Electrification ERR					

Electricity access in project areas (Velingara)			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			62
	Justification:	TBD replaced with target	
	Justification Description:	Targets drawn from revised Rural Electrification ERR	
Electricity access in project areas (Velingara)			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Target Modification	
		Year 1	Year 2
		Year 3	Year 4
		Year 5	End of
	Revised Targets	0	0
	Previous Targets	0	TBD
		TBD	TBD
	Justification:	TBD replaced with target	
	Justification Description:	Targets drawn from revised Rural Electrification ERR	
Percentage of households connected to the national grid			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Retire an indicator	

	Modification:	Previous	Revised
		0	0
	Justification:	Irrelevant to the project logic	
	Justification Description:	The scope of the project is only at the regional level; therefore, a national level indicator is not necessary.	
Customers added by project			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The number of new customers that have gained	The number of new customers that have gained
	Justification:	Additional clarity is required to accurately measure or interpret an indicator	
	Justification Description:	Definition was modified to align with common indicator guidance.	
Customers added by project			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			10431
	Justification:	TBD replaced with target	
	Justification Description:	Updated to align with revised CBA model	
Customers added by project			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		

Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	535	8,411	9,885	9,885
	Previous Targets	0	0	4,483	4,618	4,755	4,755

	Justification:	TBD replaced with target					
	Justification Description:	Updated to align with revised CBA model					

Customers added by project (Tambacounda)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			635
	Justification:	TBD replaced with target	
	Justification Description:	Updated to align with revised CBA model	

Customers added by project (Tambacounda)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	31	510	600	600
	Previous Targets	0	0	TBD	TBD	TBD	TBD

Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			5192
	Justification:	TBD replaced with target	
	Justification Description:	Updated to align with revised CBA model	

Customers added by project (Niore du rip, Bounkiling and Medina Yoro Foula)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project					
Activity:	2.1 Supply-Side Intervention Activity					
Sub-Activity:						
M&E Plan Version 2	Modification Description:	Target Modification				
		Year 1	Year 2	Year 3	Year 4	Year 5
	Revised Targets	0	0	267	4,187	4,921
	Previous Targets	0	0	TBD	TBD	TBD

	Justification:	TBD replaced with target				
	Justification Description:	Updated to align with revised CBA model				

Customers added by project (Velingara)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project				
Activity:	2.1 Supply-Side Intervention Activity				
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Post-Program Target Modification			
	Modification:	Previous		Revised	
				1389	
	Justification:	TBD replaced with target			

Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The total number of localities electrified with	The total number of localities electrified with
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Spacing issue in the definition was corrected.	

Electrified localities

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			350
	Justification:	Corrections to erroneous data	
	Justification Description:	Updated based on revised activity scope and CBA model assumptions	

Electrified localities

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	23	303	350	350
	Previous Targets	0	50	250	325	325	325

Justification:	Change to align with CBA update (indicators linked to CBA only)
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M&E Plan Version 2	Modification Description:	Post-Program Target Modification		
	Modification:	Previous	Revised	
				111
	Justification:	Corrections to erroneous data		
	Justification Description:	Updated based on revised activity scope and CBA model assumptions		

Electrified localities (Foundiougne)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	7	96	111	111
	Previous Targets	0	TBD	TBD	TBD	186	186

	Justification:	Change to align with CBA update (indicators linked to CBA only)					
	Justification Description:	Updated based on revised activity scope and CBA model assumptions					

Electrified localities (Niore du rip, Bounkiling and Medina Yoro Foulfa)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project				
Activity:	2.1 Supply-Side Intervention Activity				
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Post-Program Target Modification			
	Modification:	Previous		Revised	
				170	
	Justification:	Corrections to erroneous data			
	Justification Description:	Updated based on revised activity scope and CBA model assumptions			

Electrified localities (Niore du rip, Bounkiling and Medina Yoro Foula)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	11	147	170	170
	Previous Targets	0	TBD	TBD	TBD	66	66
	Justification:	Change to align with CBA update (indicators linked to CBA only)					
	Justification Description:	Updated based on revised activity scope and CBA model assumptions					
Electrified localities (Velingara)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					53		
	Justification:	Corrections to erroneous data					
	Justification Description:	Updated based on revised activity scope and CBA model assumptions					
Electrified localities (Velingara)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					

	Year 1	Year 2	Year 3	Year 4	Year 5	End of
Revised Targets	0	0	4	46	53	53
Previous Targets	0	TBD	TBD	TBD	44	44

Justification:	Change to align with CBA update (indicators linked to CBA only)					
Justification Description:	Updated based on revised activity scope and CBA model assumptions					

Transformers installed

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project				
Activity:	2.1 Supply-Side Intervention Activity				
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Indicator Definition Modification			
	Modification:	Previous		Revised	
		Total number of transformers installed with		Total number of transformers installed with MCC	
	Justification:	Correction of spelling or formatting error.			
	Justification Description:	Added a period to align with M&E Plan guidance.			

Transformers installed

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project					
Activity:	2.1 Supply-Side Intervention Activity					
Sub-Activity:						
M&E Plan Version 2	Modification Description:	Target Modification				
		Year 1	Year 2	Year 3	Year 4	Year 5
	Revised Targets				332	332
	Previous Targets		TBD	TBD	432	432

Justification:	Corrections to erroneous data
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	Justification Description:	The value of 432 was based on the feasibility study, which were not used in the final activity design (WSP Activity 3500), while the value of 332 transformers is taken from DAO Supply & Network Improvement. Also, Years 1-3 were changed to no target because the M&E Plan revision is taking place after the years that are being changed to no target.				

Transformers installed (50 kVA)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				108	108	108
	Previous Targets			TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target				
	Justification Description:	Based on final activity design. Also, Years 1-3 targets were changed to N/A since the M&E Plan revision is taking place after the years that are being changed to no target.				

Transformers installed (100 kVA)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				40	40	40
	Previous Targets			TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target				
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	Justification Description:	Based on final activity design. Also, the M&E Plan revision is taking place after the years that are being changed to no target, so TBD targets for Years 1-3 were changed to N/A.	
<i>Consumer knowledge of energy efficiency standards and equipment</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			2
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was accidentally omitted from the last M&E Plan build. During this revision, TBD targets for Years 1-3 were replaced with no target because this revision is taking place in Year 3. Also, the definition was updated to clarify the method for calculating the indicator. Finally, the TBD baseline was updated with baseline study results.	
<i>Adoption rate of attitudes and practices related to energy efficiency equipment and standards</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			70
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was accidentally omitted from the last M&E Plan. During this revision, the TBD targets for Years 1-3 were changed to no target since the revision is taking place in Year 3. Also, the definition updated to clarify the method for calculating the indicator. Finally, the TBD baseline was updated with baseline study results.	
<i>Households using energy-efficient appliances</i>			

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			18.5
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was accidentally omitted from the last M&E Plan build. During this revision, TBD targets were replaced with no target since the revision is taking place in Year 3. Also, the definition was updated to clarify the method for calculating the indicator.	
Energy cost savings			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			0
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	New result added to the project logic.	
Consumer knowledge of key elements of the service regulations, standards and obligations			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			1.3

	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was incorrectly omitted from the last M&E Plan MIS build. During this revision, the TBD targets from Years 1-3 were changed to no target, since this revision is taking place in Year 3. Also, the TBD baseline was updated with baseline study results.	
Understanding of the connection process			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0.6
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the initial M&E Plan MIS build. During this revision, the TBD targets were replaced with no target since the revision is taking place in Year 3. Also, the TBD baseline was updated with baseline study results.	
Knowledge of network connection time			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0.8
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan MIS build. During this revision, the TBD targets for Years 1-3 were changed to no target since the revision is taking place in Year 3. Also, the TBD baseline was updated with baseline study results.	

Perceptions of the role of electricity as an input to income-generating activities							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Creation of new indicator					
	Modification:	Previous			Revised		
		TBD			98.2		
	Justification:	Existing indicators do not sufficiently measure project logic					
	Justification Description:	The TBD baseline was updated with baseline study results.					
Energy efficiency messages							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	TBD targets for Years 1-3 were replaced with no target since this revision is taking place in Year 3.					
Energy efficiency messages							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		

		Total number of messages delivered on energy	Total number of messages delivered on energy
	Justification:	Correction of spelling or formatting error.	
	Justification	Added a period to align with M&E Plan guidance.	
	Description:		

Energy efficiency messages

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project					
Activity:	2.2 Consumer Demand Support Activity					
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity					
M&E Plan Version 2	Modification	Target Modification				
	Description:					
		Year 1	Year 2	Year 3	Year 4	Year 5
	Revised Targets				TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target				
	Justification	M&E Plan revision is taking place after the years that are being changed to no target.				
	Description:					

Energy efficiency messages (Television)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project					
Activity:	2.2 Consumer Demand Support Activity					
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity					
M&E Plan Version 2	Modification	Target Modification				
	Description:					
		Year 1	Year 2	Year 3	Year 4	Year 5
	Revised Targets				TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target				
	Justification	M&E Plan revision is taking place after the years that are being changed to no target.				
	Description:					

Energy efficiency messages (Radio)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target	
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.	

Energy efficiency messages (Billboard)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target	
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.	

Energy efficiency messages (Print media)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project
Activity:	2.2 Consumer Demand Support Activity
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity

M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

Messages on energy consumption and billing

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project				
Activity:	2.2 Consumer Demand Support Activity				
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity				
M&E Plan Version 2	Modification Description:	Indicator Definition Modification			
	Modification:	Previous		Revised	
		Total number of messages broadcast at national		Total number of messages broadcast at national	
	Justification:	Correction of spelling or formatting error.			
	Justification Description:	Added a period to align with M&E Plan guidance.			

Messages on energy consumption and billing

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
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	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.				

Messages on energy consumption and billing (Television)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target				
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.				

Messages on energy consumption and billing (Radio)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target				
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.				

Messages on energy consumption and billing (Billboard)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project					
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Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

Messages on energy consumption and billing (Print media)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

Messages on the connection process to the Senelec RI network

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		

		Total number of messages broadcast on the	Total number of messages broadcast on the
	Justification:	Correction of spelling or formatting error.	
	Justification	Added a period to align with M&E Plan guidance.	
	Description:		

Messages on the connection process to the Senelec RI network

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification	Target Modification					
	Description:						
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification	M&E Plan revision is taking place after the years that are being changed to no target.					
	Description:						

Messages on the connection process to the Senelec RI network (Television)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification	Target Modification					
	Description:						
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification	M&E Plan revision is taking place after the years that are being changed to no target.					
	Description:						

Messages on the connection process to the Senelec RI network (Radio)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target	
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.	

Messages on the connection process to the Senelec RI network (Billboard)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target	
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.	

Messages on the connection process to the Senelec RI network (Print media)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project
Activity:	2.2 Consumer Demand Support Activity
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity

M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

Messages on the productive uses of electricity in MCC intervention areas

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						

M&E Plan Version 2	Modification Description:	Indicator Definition Modification		
	Modification:	Previous	Revised	
		The total number of messages broadcast on the	The total number of messages broadcast on the	
	Justification:	Correction of spelling or formatting error.		
	Justification Description:	Added a period to align with M&E Plan guidance.		

Messages on the productive uses of electricity in MCC intervention areas

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						

M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
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Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

Messages on the productive uses of electricity in MCC intervention areas (Print media)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

Entities benefiting from accompaniment activities and support for productive uses

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		

		Total number of entities benefiting from MCC-	Total number of entities benefiting from MCC-
	Justification:	Correction of spelling or formatting error.	
	Justification	Added a period to align with M&E Plan guidance.	
	Description:		

Entities benefiting from accompaniment activities and support for productive uses

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification	M&E Plan revision is taking place after the years that are being changed to no target.					
	Description:						

Entities benefiting from accompaniment activities and support for productive uses (Individual)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification	M&E Plan revision is taking place after the years that are being changed to no target.					
	Description:						

Entities benefiting from accompaniment activities and support for productive uses (GIE)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target	
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.	

Entities benefiting from accompaniment activities and support for productive uses (GPF)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Education Campaign for Electricity Literacy Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target	
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.	

Number of equipment suppliers operating in project areas

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project
Activity:	2.2 Consumer Demand Support Activity
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity

M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		TBD	TBD
	Justification:	Irrelevant due to change in the project as a result of an official program modification that results	
	Justification Description:	The project no longer aims to improve the capacity of equipment suppliers, instead the sub-activity will work directly with beneficiary communities through capacity building and subsidies to purchase productive use equipment.	
<i>Number of credits granted for access to equipment</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		TBD	TBD
	Justification:	Irrelevant to the project logic	
	Justification Description:	Removed because the final project design focused on grants, rather than loans from financial institutions, which was originally considered.	
<i>Number of times technical assistance is provided to financial institutions</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		0	0
	Justification:	Irrelevant to the project logic	
	Justification Description:	Retired because the final design does not include assistance to the financial institutions.	

Number of times technical assistance is provided to equipment suppliers			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		
M&E Plan Version 2	Modification	Retire an indicator	
	Description:		
	Modification:	Previous	Revised
		0	0
	Justification:	Irrelevant to the project logic	
	Justification	Retired because the final design does not include assistance to the equipment suppliers.	
	Description:		
Satisfaction rate with subsidy			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			TBD
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification	This indicator was accidentally omitted from the last M&E Plan MIS build. During this revision, the TBD targets for Years 1-3 were replaced with no target since the revision is taking place in Year 3. Also, the definition was updated to clarify the method for calculating the indicator and that the project now aims to provide subsidies to beneficiaries rather than financial loans.	
	Description:		
Productive-use electrical equipment users			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		

M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Number of households and businesses			(Number of households and businesses owning		
	Justification:	Additional clarity is required to accurately measure or interpret an indicator					
	Justification Description:	Definition updated to clarify the method for calculating the indicator, and to clarify indicator measures productive use equipment.					
Productive-use electrical equipment users							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity						
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					TBD		
	Justification:	Corrections to erroneous data					
	Justification Description:	Changed to TBD.					
Productive-use electrical equipment users							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

Productive-use electrical equipment users (Households)			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	20.2
	Justification:	TBD replaced with baseline	
	Justification Description:	Baseline retrieved from baseline study	
Productive-use electrical equipment users (Households)			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	
	Justification Description:	Changed to TBD.	
Productive-use electrical equipment users (Households)			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		
M&E Plan Version 2	Modification Description:	Target Modification	
	Previous Targets	TBD	TBD
		TBD	TBD

	Justification:	TBD replaced with no target	
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.	
<i>Productive-use electrical equipment users (Businesses)</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	82.2
	Justification:	TBD replaced with baseline	
	Justification Description:	Baseline retrieved from baseline study	
<i>Productive-use electrical equipment users (Businesses)</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			61.7
	Justification:	Corrections to erroneous data	
	Justification Description:	Target updated to align with ERR model.	
<i>Productive-use electrical equipment users (Businesses)</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		

Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Justification:	Irrelevant due to change in the project as a result of an official program modification that results	
	Justification Description:	This is no longer a component of the Senelec Action Plan.	

Perception of households of the availability of equipment for connections in MCC intervention areas

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			10.3
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was accidentally omitted from the last M&E Plan MIS build. During this revision, the TBD targets for Years 1-3 were replaced with no target since the revision is taking place in Year 3. Also, the definition was updated to clarify the method for calculating the indicator. Finally, the baseline value was added from the baseline analysis report.	

Residual stock of meters in the laboratory

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	Added to measure the availability of electrical meters of project.	

<i>Time to first visit in the project intervention zone</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	7.9
	Justification:	TBD replaced with baseline	
	Justification Description:	New value based on Senelec M&E Plan.	
<i>Time to first visit in the project intervention zone</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Average number of days between when a new	Average number of days between when a new
	Justification:	Additional clarity is required to accurately measure or interpret an indicator	
	Justification Description:	Clarifying that the data collected is within the project zone	
<i>Time to first visit in the project intervention zone</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification Description:	Target Modification	
		Year 1	Year 2
		Year 3	Year 4
		Year 5	End of
	Revised Targets		
		5	5
		5	5

Previous Targets	TBD	TBD	TBD	5	5	5
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M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Total number of stakeholders that have			Total number of stakeholders that have		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Corrected "ACM" to "MCC" and added a period.					
Stakeholders strengthened in communication							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					TBD		
	Justification:	Corrections to erroneous data					
	Justification Description:	Added TBD.					
Stakeholders strengthened in communication							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets		TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	
	Justification Description:	Added TBD.	

Stakeholders strengthened in communication (ERA)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets			TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

Stakeholders strengthened in communication (Senelec)

Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous		Revised			
				TBD			
	Justification:	Corrections to erroneous data					

	Justification Description:	Added TBD.					
Stakeholders strengthened in communication (Senelec)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets			TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					
Customer service evaluation date							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Date on which the			Date on which the customer service assessment		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance.					
Technical assistances provided to Senelec regional offices and concessionaires							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						

M&E Plan Version 2	Modification Description:	Indicator Definition Modification		
	Modification:	Previous	Revised	
		Number of times technical assistance is	The number of times technical assistance is	
	Justification:	Correction of spelling or formatting error.		
	Justification Description:	Added a period to align with M&E Plan guidance.		

Technical assistances provided to Senelec regional offices and concessionaires

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				8	8	8
	Previous Targets		TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target				
	Justification Description:	Targets drawn from Senelec Action Plan				

Technical assistances provided to Senelec regional offices and concessionaires (Training)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				5	5	5
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

	Justification Description:	Targets drawn from Senelec Action Plan					
Technical assistances provided to Senelec regional offices and concessionaires (Advisory support)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				1	1	1
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	Justification Description:	Targets drawn from Senelec Action Plan					
Technical assistances provided to Senelec regional offices and concessionaires (Other)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				3	3	3
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	Justification Description:	Targets drawn from Senelec Action Plan					
Completion of the inventory of electricians qualified to do interior wiring							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						

Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The date at which MCA-Senegal II,	The date at which MCA-Senegal II, MCC, and
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to the end of the definition.	

Electricians trained

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		This is the total number of electricians trained	This is the total number of electricians trained to
	Justification:	Additional clarity is required to accurately measure or interpret an indicator	
	Justification Description:	Definition was updated to reflect more clearly what the intervention is trying to achieve.	

Electricians trained

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project					
Activity:	2.2 Consumer Demand Support Activity					
Sub-Activity:	Supporting Connections Sub-Activity					
M&E Plan Version 2	Modification Description:	Target Modification				
		Year 1	Year 2	Year 3	Year 4	Year 5
	Revised Targets					185
	Previous Targets	TBD	TBD	TBD	TBD	702

Justification:	Corrections to erroneous data
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	Justification Description:	Previous target was based off of a draft of the Senelec Action Plan; the new target is based off of the approved plan.				

Electricians trained (Female)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets					55	55
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target				
	Justification Description:	The disaggregation target is calculated in line with GIS, which targets 30% of all trained electricians to be women.				

Electricians trained (Male)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets					130	130
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target				
	Justification Description:	The disaggregation target is calculated in line with GIS, which targets 30% of all trained electricians to be women.				

Degree of customer satisfaction with the relationships and communication developed by electricity suppliers

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project					
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Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			23.8
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan build. During this revision, the TBD targets for Years 1-3 were replaced with no target since the revision is taking place during Year 3. Also, the definition was updated to clarify the method for calculating the indicator. Finally, a baseline value was added from the baseline analysis report.	
<i>Proportion of qualified and competent electricians in interior wiring in MCC's intervention areas</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Supporting Connections Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			TBD
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was not built into MIS during the last M&E Plan build. During this revision, the TBD targets for Years 1-3 were replaced with no target since the revision is taking place in Year 3. x100 was added to the definition to reflect that this is a percentage indicator. Also, changed to "interior" wiring for clarity.	
<i>Avoided technical losses</i>			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.3 Distribution Network Reinforcement Activity		
Sub-Activity:			
M&E Plan Version 2	Modification	Target Modification	
	Description:		

	Year 1	Year 2	Year 3	Year 4	Year 5	End of
Revised Targets					3,890	3,890
Previous Targets			3,791.8	3,791.8	3,791.8	3,791.8

Justification:	Change to the project as a result of an official program modification that results in a new target being relevant					
Justification Description:	Target updated to align with revised Distribution Network Reinforcement ERR.					

Switches installed

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.3 Distribution Network Reinforcement Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		0	0
	Justification:	Irrelevant due to change in the project as a result of an official program modification that results	
	Justification Description:	This indicator is now considered like a disaggregation of the indicator "Remote-controlled overhead cut-off and protection devices"; It's the same of "IAT -CT."	

Fault indicators with tele-indication

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.3 Distribution Network Reinforcement Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		0	0
	Justification:	Irrelevant due to change in the project as a result of an official program modification that results	
	Justification Description:	This indicator is not relevant, because it has been taken account into the disaggregation of the following indicator: "Remote-controlled overhead cut-off and protection devices".	

Remote-controlled recloser circuit breakers			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.3 Distribution Network Reinforcement Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Justification:	Irrelevant due to change in the project as a result of an official program modification that results	
	Justification Description:	This indicator is not relevant, because it has been taken account into the disaggregation of the following indicator: "Remote-controlled overhead cut-off and protection devices".	
Distribution system losses			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.3 Distribution Network Reinforcement Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		16.25	16.25
	Justification:	Irrelevant to the project logic	
	Justification Description:	Removed because the project focuses on specifically technical losses, rather than total distribution system losses.	
Attachments between radial lines sections installed			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.3 Distribution Network Reinforcement Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Total number of kilometers of attachments	Total number of kilometers of attachments
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to definition.	

Attachments between radial lines sections installed							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.3 Distribution Network Reinforcement Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				132.3	132.3	132.3
	Previous Targets		TBD	TBD	133.2	133.2	133.2
	Justification:	TBD replaced with target					
	Justification Description:	Target updated based on final activity design.					
Remote-controlled overhead cut-off and protection devices installed							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.3 Distribution Network Reinforcement Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Creation of new indicator					
	Modification:	Previous			Revised		
					0		
	Justification:	Existing indicators do not sufficiently measure project logic					
	Justification Description:	Added based on final activity design.					
Capacitor batteries installed							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.3 Distribution Network Reinforcement Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Creation of new indicator					

	Modification:	Previous	Revised
			0
	Justification:	Change to the project as a result of an official program modification that results in a new indicator being relevant	
	Justification Description:	Added based on final activity design.	

Customer satisfaction index

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.3 Distribution Network Reinforcement Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			58.5
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan build. During this revision, the targets changed to NA because targets were not defined by project stakeholders or the CBA. The definition was updated to clarify the method for calculating the indicator. Baseline value was drawn from from Baseline study for the Reform and Transmission Projects (2022); analysis report. The baseline study of the access project was implemented on a sample drawn from the 350 localities to be electrified. The study that measure with accuracy the indicator is the Baseline of reform and transport, which measure the indicator for customers outside Dakar.	

System Average Interruption Duration Index (SAIDI)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.3 Distribution Network Reinforcement Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised

		6.23
	Justification:	Existing indicators do not sufficiently measure project logic
	Justification Description:	This indicator was accidentally omitted from the last M&E Plan build. During this revision, the TBD targets were replaced with targets identified during a workshop with Senelec on the validation of distribution network reinforcement activity devices. Years 1-3 were replaced with NA since the M&E Plan revision is taking place after those years and no targets can be set. Baselines were identified during a workshop with Senelec on the validation of distribution network reinforcement activity devices. A period was added to the definition to align with the definition for this indicator that is in the MCC Common Indicator guidance. Finally, the Nioro region disaggregation was added to measure new result, improved voltage stability, an expected outcome of the distribution network reinforcement activity. This indicator will specifically measure Reduction of service interruption in the Nioro region. See Access Project Evaluation Design Report for more information.
System Average Interruption Frequency Index (SAIFI)		
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project	
Activity:	2.3 Distribution Network Reinforcement Activity	
Sub-Activity:		
M&E Plan Version 2	Modification Description:	Creation of new indicator
	Modification:	Previous Revised
		9.18
	Justification:	Existing indicators do not sufficiently measure project logic
	Justification Description:	This indicator was omitted from the last M&E Plan MIS build. During this revision, targets were identified during a workshop with Senelec on the validation of distribution network reinforcement activity devices. M&E Plan revision is taking place after Years 1-3, so they were changed to no target. Baselines were identified during a workshop with Senelec on the validation of distribution network reinforcement activity devices. The definition was aligned with the definition for this indicator that is in the MCC Common Indicator guidance.
Voltage stability		

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.3 Distribution Network Reinforcement Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			TBD
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	Added to measure new result, improved voltage stability, an expected outcome of the distribution network reinforcement activity	

Customer satisfaction index

Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		TBD	TBD
	Justification:	Irrelevant to the project logic	
	Justification Description:	In the initial M&E plan (2021) prior to the current M&E policy (2023), the objective included a result on improved customer satisfaction to reflect the objective statement's reference to 'the intent of improving the quality' of the electricity supply. However, this revised M&E plan includes objective-level results/indicators that are more directly taken from the objective statement. We have also concluded that the intent of doing something is not the same as doing it.	

Rate of access to electricity

Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			

M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		76	76
	Justification:	Irrelevant to the project logic	
	Justification Description:	In the initial M&E plan (2021) prior to the current M&E policy (2023), the objective included a result on 'increased access to electricity' to reflect the objective statement's reference to 'the intent of improving the [...] quantity of the electricity supply'. However, this revised M&E plan includes objective-level results/indicators that are more directly taken from the objective statement. We have also concluded that the intent of doing something is not the same as doing it.	

Total non distributed energy on the network

Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		16,875	16,875
	Justification:	Irrelevant to the project logic	
	Justification Description:	In the initial M&E plan (2021) prior to the current M&E policy (2023), the objective included a result on 'increased reliability of electricity supply' to reflect the objective statement's reference to 'the intent of improving the quality and quantity of the electricity supply'. However, this revised M&E plan includes objective-level results/indicators that are more directly taken from the objective statement. We have also concluded that the intent of doing something is not the same as doing it.	

Distribution system losses

Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			

M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		16.25	16.25
	Justification:	Irrelevant to the project logic	
	Justification Description:	In the initial M&E plan (2021) prior to the current M&E policy (2023), the objective included a result on 'increased reliability of electricity supply' to reflect the objective statement's reference to 'the intent of improving the quality and quantity of the electricity supply'. However, this revised M&E plan includes objective-level results/indicators that are more directly taken from the objective statement. We have also concluded that the intent of doing something is not the same as doing it.	

Operating cost-recovery ratio

Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	90.38
	Justification:	TBD replaced with baseline	
	Justification Description:	Baseline is the average of Senelec and CER. This derives from the Senelec's 2019 certified financial statement, which was only provided to the MCA/M&E team after the initial M&E plan revision.	

Operating cost-recovery ratio

Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised

			100
	Justification:	TBD replaced with target	
	Justification Description:	Target value is 100% based on SYSCOHADA Accountable Norms.	

Operating cost-recovery ratio

Project:	3. Enabling Environment and Capacity Development Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	100	100	100	100	100	100
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target	
	Justification Description:	Target value is 100% based on SYSCOHADA Accountable Norms.	

Operating cost-recovery ratio (Senelec)

Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	92
	Justification:	TBD replaced with baseline	
	Justification Description:	Baseline value is taken from the Senelec's 2019 certified financial statement, which was only provided to the MCA/M&E team after the initial M&E plan revision.	

Operating cost-recovery ratio (Senelec)

Project:	3. Enabling Environment and Capacity Development Project
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Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			100
	Justification:	TBD replaced with target	
	Justification Description:	Target value is 100% based on SYSCOHADA Accountable Norms.	

Operating cost-recovery ratio (Senelec)

Project:	3. Enabling Environment and Capacity Development Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	100	100	100	100	100	100
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target					
	Justification Description:	Target value is 100% based on SYSCOHADA Accountable Norms.					

Operating cost-recovery ratio (CER)

Project:	3. Enabling Environment and Capacity Development Project				
Activity:					
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Baseline Modification			
	Modification:	Previous		Revised	
		TBD		88.75	
	Justification:	TBD replaced with baseline			

M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	32.33
	Justification:	TBD replaced with baseline	
	Justification Description:	Baseline value is taken from the Senelec's 2019 certified financial statement, which was only provided to the MCA/M&E team after the initial M&E plan revision.	
Operating cash flow ratio			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The operator's ability to meet its	The operator's ability to meet its short-term
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to the definition to align with M&E Plan guidance.	
Operating cash flow ratio			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			100
	Justification:	TBD replaced with target	
	Justification Description:	Target value is 100% based on SYSCOHADA Accountable Norms.	
Operating cash flow ratio			

Project:	3. Enabling Environment and Capacity Development Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				100	100	100
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target					
	Justification Description:	Target value is 100% based on SYSCOHADA Accountable Norms.					

Operating cash flow ratio (Senelec)

Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	32.76
	Justification:	TBD replaced with baseline	
	Justification Description:	Baseline value is taken from the Senelec's 2019 certified financial statement, which was only provided to the MCA/M&E team after the initial M&E plan revision.	

Operating cash flow ratio (Senelec)

Project:	3. Enabling Environment and Capacity Development Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					100		

	Justification:	TBD replaced with target				
	Justification Description:	Target value is 100% based on SYSCOHADA Accountable Norms.				

Operating cash flow ratio (Senelec)

Project:	3. Enabling Environment and Capacity Development Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				100	100	100
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target				
	Justification Description:	Target value is 100% based on SYSCOHADA Accountable Norms.				

Operating cash flow ratio (CER)

Project:	3. Enabling Environment and Capacity Development Project				
Activity:					
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Baseline Modification			
	Modification:	Previous		Revised	
		TBD		31.89	
	Justification:	TBD replaced with baseline			
	Justification Description:	Baseline value is taken from the concessionaire's 2019 certified financial statement, which were only provided to the MCA/M&E team after the initial M&E plan revision.			

Operating cash flow ratio (CER)

Project:	3. Enabling Environment and Capacity Development Project					
Activity:						

Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			100
	Justification:	TBD replaced with target	
	Justification Description:	Target value is 100% based on SYSCOHADA Accountable Norms.	

Operating cash flow ratio (CER)

Project:	3. Enabling Environment and Capacity Development Project						
Activity:							
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				100	100	100
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target					
	Justification Description:	Target value is 100% based on SYSCOHADA Accountable Norms.					

Integrated investment planning practices

Project:	3. Enabling Environment and Capacity Development Project				
Activity:					
Sub-Activity:					
M&E Plan Version 2	Modification Description:	Creation of new indicator			
	Modification:	Previous		Revised	
				1.72	
	Justification:	Existing indicators do not sufficiently measure project logic			

	Justification Description:	This indicator was omitted from the last M&E Plan build. During this revision, corrections were made to erroneous data. The indicator will only be measured twice, which is why N/A has been added for targets in years 2, 3, and 4. The year 5 and post-compact target were rounded up from 6.92 to 7. This facilitates reporting.	
Formal rules adopted			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	We are updating the results/indicators used to measure the objective statement to be more directly linked to the statement as it is written in the compact and to better align with the current M&E policy's requirements on EQ2.	
Net return on equity			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			3.42
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was not built into MIS during the last M&E Plan build. During this revision, TBD targets were replaced with no target since M&E Plan revision is taking place after the years that are being changed to no target.	

Average cost per kWh			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The cost of the kWh weighted	The average kWh cost of the energy transmitted
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	The definition is revised to reflect that it is calculated with a simple rather than weighted average.	
		The definition also includes the formula.	
Average cost per kWh			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	
	Justification Description:	TBD was added.	
GoS debt obligations to Senelec			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		0	28,900,000,000

	Justification:	Corrections to erroneous data	
	Justification Description:	The baseline was incorrectly listed as zero. However, as the source document shows, the amount GoS owed to Senelec in 2020 was 28.9 billion CFA.	
GoS debt obligations to Senelec			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The outstanding balance of	The outstanding balance of amounts due to
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to be grammatically correct and align with M&E Plan guidance.	
GoS debt obligations to Senelec			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			0
	Justification:	Corrections to erroneous data	
	Justification Description:	The previous targets were incorrectly transcribed from the source documentation: "Letter from Ministry of Finance and Economy’s letter of 04 August 2020 in response to the MCC CP". The correct value is the outstanding balance of amounts due to Senelec for electricity bills and compensation in accordance with the Sector Repayment Plan and Tariff Plan rather of total paiement"	

GoS debt obligations to Senelec

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	28,900,000,000	18,900,000,000	9,000,000,000	0	0	0
	Previous Targets	38,000,000,000	10,000,000,000	9,900,000,000	9,000,000,000	0	0
	Justification:	Corrections to erroneous data					
	Justification Description:	The previous targets were incorrectly transcribed from the source documentation: "Letter from Ministry of Finance and Economy's letter of 04 August 2020 in response to the MCC CP". The correct value is the outstanding balance of amounts due to Senelec for electricity bills and compensation in accordance with the Sector Repayment Plan and Tariff Plan rather of total paiement"					

GoS compensation timeliness to concessionaires

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			280.83
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	Taking into account in the processing of compensation payment deadlines for concessionaires.	

GoS debt recovery rate

Project:	3. Enabling Environment and Capacity Development Project
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Activity:	3.1 Sector Governance Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Baseline Modification					
	Modification:	Previous				Revised	
		TBD				50	
	Justification:	TBD replaced with baseline					
	Justification Description:	Baseline is provided based on "MCC_CP remboursement _Paiement initial"					
GoS debt recovery rate							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous				Revised	
		(The total amount paid by the				The total amount paid by the government to	
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance.					
GoS debt recovery rate							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets					100	100
	Previous Targets	TBD	TBD	TBD	TBD	100	100
	Justification:	TBD replaced with no target					

	Justification Description:	The targets for Years 1-3 were replaced with no target since the revision is taking place in Year 3.					
Sector reimbursement plan adoption							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Date at which the Ministry of Finance and			Date at which the Ministry of Finance and		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance.					
Sector reimbursement plan adoption							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	09-Sep-2021					09-Sep-
	Previous Targets						
	Justification:	TBD replaced with target					
	Justification Description:	The initial M&E plan did not include a target because the result had already been achieved. For consistency with other similar indicators, we are including the EIF date as the target.					
Least-cost generation							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						

Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	The TBD targets were replaced with no target because neither the MCA Reform Project Team nor Senelec defined a target value.					

Third-party network access contracts

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan MIS build. During this revision, the TBD targets were replaced with no target because the "third-party access" was expected in December 2022, before this date, the target is NA. After 2022, we have no basis for defining targets because third-party access depends on the performance of operators and the decision of eligible customer to take advantage of their eligibility. Also, a period was added to the definition to align with M&E Plan guidance.	

KWh price in power purchase agreements

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Legal and Sector Framework Sub-Activity						
M&E Plan Version 2	Modification Description:	Baseline Modification					
	Modification:	Previous			Revised		

		59.42	54.27
	Justification:	More accurate information emerges	
	Justification Description:	MCA and MCC were unable to find the baseline in the source document. MCA and MCC also thought it would be better to establish a baseline based on trend data since this indicator fluctuates considerably depending on the year. The baseline now reflects a 9-year average. Despite the considerable spread, the average and the median are only 3 points apart.	
<i>KWh price in power purchase agreements</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Sum of the average price per kWh	Sum of the average price per kWh determined in
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Fixed spacing issue in the definition.	
<i>KWh price in power purchase agreements</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	
	Justification Description:	Added TBD.	
<i>KWh price in power purchase agreements</i>			

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Legal and Sector Framework Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

<i>Power price in third-party access purchase agreements</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			58.46
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan MIS build. During this revision, definition was revised to: "Average price per kWh under purchase contracts for ATR-eligible customers (in french: Prix moyen du Kwh dans les contrtras d'achat signés par les clients éligibles à l'ATR)". Baseline value retrieved from Senelec's "Rapport mouvement d'énergie" with the revised indicator definition. Finally, the calculation requires the number of potentially eligible customers and the ATR tariff. Neither is available. Consequently, M&E suggests using NA targets.	

<i>Cost transparency index</i>

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			3
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan MIS build. During this revision, there was a new definition added based on baseline report: "Score from 1 to 5, where 1 represents very low cost transparency and 5 very high cost transparency for ASER and Senelec business units". Also, the project did not provide a target, so TBD targets were replaced with no target. Finally, TBD baseline was replaced with a baseline taken from the MCA Baseline study conducted after the initial M&E Plan.	

Overall financial performance

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			5.23
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was never built into MIS during the last M&E Plan build. During this revision, the definition was simplified and made more precise. The TBD targets were replaced with no target since neither Senelec or the MCA Reform Project Team have defined target for this indicator.	

Promulgation of electricity code

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		

Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the decree on the	Date at which the decree on the electrical code is
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Period added to align with M&E Plan guidance.	
<i>Date of adoption of application texts</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
	Justification:	Indicator quality is determined poorer than initially thought when included in the plan	
	Justification Description:	This date indicator is problematic since there are multiple application texts expected to be drafted and adopted at different times. Therefore, this indicator is being retired and replaced with one that counts the "Number of application texts drafted"	
<i>Application texts drafted</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0
	Justification:	Existing indicators do not sufficiently measure project logic	

	Justification Description:	Revise initial definition on "Number of implementing texts adopted out of the planned total" because not all texts are adopted at the same time.	
Functional bundling completion			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the legal acts	Date of the CRSE decision confirming that
	Justification:	Additional clarity is required to accurately measure or interpret an indicator	
	Justification Description:	Definition revised to "Date of the CRSE decision confirming that functional unbundling is complete" because CRSE is the definitive authority to determine whether the functional unbundling is complete. This more precisely measures the result. The previous definition was about the legal acts allowing for functioning unbundling rather than actual completion of the functional unbundling.	
TSO operational			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the TSO has an	Date at which the TSO has an allocated budget.
	Justification:	Additional clarity is required to accurately measure or interpret an indicator	
	Justification Description:	Revise the definition on "Date TSO began operations with an allocated budget" according with the Reform project to be more clear	
Third party access contracts and documents drafted			
Project:	3. Enabling Environment and Capacity Development Project		

Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which Third Party Access	Date at which third-party access contracts and
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Corrected grammar and added a period to align with M&E Plan guidance.	

Third party access contracts and documents drafted

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Legal and Sector Framework Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	09-Sep-2021					09-Sep-
	Previous Targets						

	Justification:	Corrections to erroneous data					
	Justification Description:	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021.					

Approval by MCC of separated Senelec certified financial statements

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Legal and Sector Framework Sub-Activity						
M&E Plan Version 2	Modification Description:	Creation of new indicator					
	Modification:	Previous		Revised			
	Justification:	Existing indicators do not sufficiently measure project logic					

	Justification Description:	This indicator is for a process result, which was not previously included in the M&E plan. The creation of this separate result for accounting unbundling (as opposed to functional unbundling) is meant to make that distinction more clear. This process result/indicator relate to accounting unbundling, which precedes functional unbundling.	
<i>Numbers of business plan developed</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Ministry Capacity and Sector Planning Sub-Activity		
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		TBD	TBD
	Justification:	Irrelevant to the project logic	
	Justification Description:	The capacity development to ASER is relatively small component (the estimated cost of the consultant is \$660,000), which is not directly related nor critical to achieving the project objective. Therefore, we are removing the associated results from the logic, and will only keep one output indicator tracking the provision of training or technical assistance.	
<i>MPE capacity building plan for integrated planning developed</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Ministry Capacity and Sector Planning Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the MPE Capacity	Date at which the MPE Capacity Building Plan
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	

<i>MPE staff trained in integrated planning</i>							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Ministry Capacity and Sector Planning Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Number of MPE staff members			Number of MPE staff members trained in		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance.					
<i>MPE staff trained in integrated planning</i>							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Ministry Capacity and Sector Planning Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				7	7	7
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	Justification Description:	The target is derived from the capacity development plan, which was not available during the first M&E plan revision.					
<i>Number of people trained in preparation of business plans</i>							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Ministry Capacity and Sector Planning Sub-Activity						
M&E Plan Version 2	Modification Description:	Retire an indicator					
	Modification:	Previous			Revised		

		0	0
	Justification:	Irrelevant to the project logic	
	Justification Description:	The capacity development to ASER is relatively small component (the estimated cost of the consultant is \$660,000), which is not directly related nor critical to achieving the project objective. Therefore, we are removing the associated results from the logic, and will only keep one output indicator tracking the provision of training or technical assistance.	
<i>Leasing (or affermage) transition plan adopted</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Ministry Capacity and Sector Planning Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the affermage	Date at which the leasing (or affermage)
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
<i>Adoption of an integrated investment plan framework</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Ministry Capacity and Sector Planning Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the integrated	Date at which the integrated investment plan
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Fixed spacing issue.	
<i>Adoption of an integrated investment plan framework</i>			

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Ministry Capacity and Sector Planning Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	09-Sep-2021					09-Sep-
	Previous Targets						

	Justification:	Corrections to erroneous data					
	Justification Description:	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021.					

LPDSE 2024-2029

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Ministry Capacity and Sector Planning Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date the 2024-2029 LPDSE is	Date the 2024-2029 energy sector development
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	

ASER technical support

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Ministry Capacity and Sector Planning Sub-Activity						
M&E Plan Version 2	Modification Description:	Creation of new indicator					
	Modification:	Previous			Revised		
					0		

	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	The capacity development to ASER is relatively small component (the estimated cost of the consultant is \$660,000), which is not directly related nor critical to achieving the project objective. Therefore, we are removing the associated results from the logic, and will only keep one output indicator tracking the provision of training or technical assistance.	
<i>One-stop-shop established</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Private Sector Participation Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The date at which an online	The date at which an online guichet unique,
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added period and fixed grammar to align with M&E Plan guidance.	
<i>Investor's guide to the electricity sector developed</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Private Sector Participation Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the electricity sector	Date at which the electricity sector investor
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
<i>Investor's guide to the electricity sector developed</i>			
Project:	3. Enabling Environment and Capacity Development Project		

Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Private Sector Participation Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets		30-Jun-2023				30-Jun-
	Previous Targets						

	Justification:	TBD replaced with target					
	Justification Description:	This indicator is a component of the one-stop shop whose target date is 30-Jun-2023. See FDR-P1-A5 Description création guichet unique. Prior exclusion of this target was an omission.					

IPP solicitation framework

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Private Sector Participation Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the IPP/PSP	Date at which the IPP/PSP procurement
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	

IPP solicitation framework

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Private Sector Participation Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of

Revised Targets	09-Sep-2021					09-Sep-
Previous Targets						

Justification:	Corrections to erroneous data	
Justification Description:	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021.	

Ancillary services plan

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Private Sector Participation Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the ancillary	Date at which the ancillary services
	Justification:	Correction of spelling or formatting error.	
	Justification	Added a period to align with M&E Plan guidance.	
	Description:		

Market opening transition plan

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Private Sector Participation Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Dates at which the market	Date at which the market opening transition plan
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance. Changed "dates" to "date".	

Application processing time

Project:	3. Enabling Environment and Capacity Development Project
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Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Private Sector Participation Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan build. During this revision, the TBD targets are being replaced with no target because the M&E Plan revision is taking place after the years that are being changed to no target. The remaining targets will be determined through additional consultations with the project. Also, removed extra space and added a period to definition to align with M&E Plan guidance.	

Approved projects

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Private Sector Participation Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan build. During this revision, a period was added to the definition to align with M&E Plan guidance. Changed to definition to more closely align with the project's focus. Also, baseline of "0" is added since the one-stop shop (guichet unique) does not currently exist.	

Number of sovereign guarantees

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Private Sector Participation Sub-Activity		

M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Annual statement of sovereign			Annual statement of sovereign guarantees in		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance.					
Value of sovereign guarantees							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Private Sector Participation Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Amount of annual sovereign			Amount in CFA Francs of total sovereign		
	Justification:	Additional clarity is required to accurately measure or interpret an indicator					
	Justification Description:	This indicator is being changed to track the total currency amount of sovereign guarantees instead of the average amount, because it will be more meaningful for reporting purposes.					
Value of sovereign guarantees							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Private Sector Participation Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets						
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					

	Justification Description:	Neither government or the MCA Reform Project Team have defined target for this indicator.					
Law on the regulator and electricity code adopted							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Governance Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous				Revised	
		Date at which the electricity code			Date at which the electricity code and law on the		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance. Also clarified that it is the "law on the regulator"					
Law on the regulator and electricity code adopted							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Governance Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	09-Sep-2021					09-Sep-
	Previous Targets						
	Justification:	TBD replaced with target					
	Justification Description:	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021.					
Regulatory independence sub-index							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Governance Sub-Activity						

M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0.5
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan build. During this revision, the definition was modified based on the method used by the MCA baseline study consultant. The baseline was revised based on "Source: Rapport de la Situation de Référence MCA-Sénégal II MCASENEGAL2 FINAL, P118". The previous baseline came from the AfDB Regulatory Index 2020, which uses the same framework but less rigorous data collection approach. Finally, corrections were made to erroneous data in the target cells. The targets are a percentage change from the baseline. The targets are changed to reflect the change in baseline.	
CRSE positions filled			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			57.89
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This a new result. It was previously combined with financial and technical capacity.	
Career development training plan completion rate			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0

	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This a new result. It was previously combined with financial and technical capacity.	
<i>New CRSE staff hired</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		0	0
	Justification:	Irrelevant to the project logic	
	Justification Description:	This result has been removed from the project logic diagram. This indicator is essentially replaced with the "Percentage of CRSE positions filled" used to measure the "Regulator's human resource capacity increased" result.	
<i>Customer and sector actors' understanding of regulation's purpose and objectives</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			6.9
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan build. During this revision, the baseline value is available in the MCA Baseline Study conducted after the initial M&E plan revision. The TBD targets were replaced with no target because neither CRSE or the MCA Reform Project Team provide Target for this indicator. Finally, the definition was updated to align with the approach used by the MCA Baseline Study consultant.	

<i>Customer and sector actors' understanding of regulatory decisions</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			46.4
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan build. During this revision, baseline value was available in the MCA Baseline Study conducted after the initial M&E plan revision. The TBD targets were replaced with no target since neither CRSE or the MCA Reform Project Team provide Target for this indicator. The definition was updated to align with the approach used by the MCA Baseline Study consultant. Also corrected typo: "sector", instead of "sectors."	
<i>CRSE job descriptions</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	The previous project logic did not include this result, which we have included now because it is an important output of the activity and contributes to the outcome of increasing CRSE's human resource capacity.	
<i>CRSE staff development plan adoption</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		

M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Date at which CRSE adopts a			Date at which CRSE adopts a staff development		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance. Added "date" and "plan" to indicator name to increase clarity and consistency with similar indicators.					
Promulgation of the law on the regulator							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Governance Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Date at which the decree on the			Date at which the decree on the law on the		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance.					
Promulgation of the law on the regulator							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Governance Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	09-Sep-2021					09-Sep-
	Previous Targets						
	Justification:	Corrections to erroneous data					
	Justification Description:	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021.					

<i>New organizational framework for CRSE</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which CRSE adopts a	Date at which the new CRSE organizational
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance. Changed wording so it relates more directly to the consultant-produced deliverable (output) rather than CRSE's adoption (outcome)	
<i>CRSE communication plan</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which CRSE formally	Date at which CRSE formally adopts the
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
<i>Financial autonomy plan</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	

	Modification:	Previous	Revised
		Date at which the financial	Date at which the financial autonomy plan is
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance. "Study" changed to "plan"	

Financial autonomy plan

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Governance Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	09-Sep-2021					09-Sep-
	Previous Targets						

	Justification:	Corrections to erroneous data					
	Justification Description:	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021.					

CRSE salary study

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Governance Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which a study comparing	Date at which a study comparing CRSE staff
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Fixed spacing issue and added a period to align with M&E Plan guidance.	

Cost-reflective tariff regime

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Substance Sub-Activity						
M&E Plan Version 2	Modification	Retire an indicator					
	Description:						
	Modification:	Previous			Revised		
		TBD			TBD		
	Justification:	Cost of data collection for indicator outweighs usefulness					
	Justification Description:	Neither Senelec and CRSE calculate long-run marginal cost whereas this is a common indicator with no possibility of modifying the calculation formula.					
Tariff plan adoption							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Substance Sub-Activity						
M&E Plan Version 2	Modification	Indicator Definition Modification					
	Description:						
	Modification:	Previous			Revised		
		Date at which the tariff plan is			Date at which the tariff plan is developed and		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance.					
Tariff plan adoption							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Substance Sub-Activity						
M&E Plan Version 2	Modification	Target Modification					
	Description:						
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	09-Sep-2021					09-Sep-
	Previous Targets						

	Justification:	Corrections to erroneous data	
	Justification Description:	All pre-EIF targets are given a target of the EIF data, which is September 9th, 2021.	
<i>Tariff study completion</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Substance Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which all deliverables	Date at which all deliverables from the Cost of
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
<i>Completion of grid audit</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Substance Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the grid audit study	Date at which the grid audit study is completed.
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
<i>Sector stakeholder understanding of new sector policies and regulations</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Substance Sub-Activity		

M&E Plan Version 2	Modification Description:	Baseline Modification					
	Modification:	Previous			Revised		
					TBD		
	Justification:	Corrections to erroneous data					
	Justification Description:	Added TBD.					
<i>Sector stakeholder understanding of new sector policies and regulations</i>							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Substance Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Percentage of sector stakeholders			The level of stakeholder understanding of		
	Justification:	Additional clarity is required to accurately measure or interpret an indicator					
	Justification Description:	Added a period to align with M&E Plan guidance. Revised definition to align with the independent evaluator's proposed approach.					
<i>Sector stakeholder understanding of new sector policies and regulations</i>							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Substance Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets					TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	The revision is taking place after the years that are being changed to no target.					

Sector stakeholder understanding of new sector policies and regulations (Female)			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Substance Sub-Activity		
M&E Plan Version 2	Modification	Baseline Modification	
	Description:		
	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	
	Justification	Added TBD.	
	Description:		
Sector stakeholder understanding of new sector policies and regulations (Female)			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Substance Sub-Activity		
M&E Plan Version 2	Modification	Target Modification	
	Description:		
		Year 1	Year 2
	Revised Targets		
	Previous Targets		
	Justification:	TBD replaced with no target	
	Justification	The revision is taking place after the years that are being changed to no target.	
	Description:		
Sector stakeholder understanding of new sector policies and regulations (Male)			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Substance Sub-Activity		
M&E Plan Version 2	Modification	Baseline Modification	
	Description:		

	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	
	Justification Description:	Added TBD.	

Sector stakeholder understanding of new sector policies and regulations (Male)

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Substance Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets					TBD	TBD
	Previous Targets						

	Justification:	TBD replaced with no target					
	Justification Description:	The revision is taking place after the years that are being changed to no target.					

GoS compensation timeliness to Senelec

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Number of days between CRSE's	Number of days between CRSE's determination
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to be grammatically correct.	

Regulations and regulatory procedures

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Substance Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			0
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This is a new result in the logic diagram to reflect an important output of the project.	

Cost-reflective tariff

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Substance Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			75.07
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	The denominator of the previous indicator (Long Run Marginal Cost) is not calculated by either the regulator or the public operator. That's why we've created this indicator to substitute the average cost for the LMLC.	

Quality data provided by the operators to CRSE

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Substance Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			2

	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan MIS build. During this revision, the definition and unit of measure revised based on how the definition used by the MCA Baseline Study. Spelling of "institutional" corrected. Baseline added since baseline report is available: "Source: Rapport de la Situation de Référence MCA-Sénégal II MCASENEGAL2 FINAL". Finally, the TBD targets were replaced with no targets since the target cannot be derived from any project design studies and the project team has not provided a target.	
Regulatory substance index			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.2 Regulatory Strengthening Activity		
Sub-Activity:	Regulatory Substance Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0.5
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan MIS build. During this revision, the TBD baseline was replaced with a value since the baseline is available on "Source: Rapport de la Situation de Référence MCA-Sénégal II MCASENEGAL2 FINAL, P120". Also, TBD targets were replaced with no target since the project did not provide a target. See "Regulatory governance index target email".	
Senelec audit staff training			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Incentivizing Utility Performance Sub-Activity		
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		0	0
	Justification:	Irrelevant to the project logic	

	Justification Description:	Per the initial compact language, this training is targeting Senelec departments beyond the internal audit department. Therefore, we are updating the results statement and the indicator. We are creating a new indicator below to replace this one.					
Budget execution rate							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Incentivizing Utility Performance Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		[The sum of expenditures / The			[The sum of expenditures / The sum of projected		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance.					
Budget execution rate							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Incentivizing Utility Performance Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	Targets cannot be established for years 1 - 3 since those years have already passed.					
Senelec staff skills in financial management							

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Incentivizing Utility Performance Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			TBD
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan MIS build. During this revision, the definition is changed to TBD, since it will depend on the work of the relevant consultant. Spelling of "diagnostic" corrected. Also, TBD targets were replaced with no target. Targets cannot be established for years 1 - 3 since those years have already passed and the design is not complete.	

Kilometers of distribution lines upgraded or built

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification	Baseline Modification	
	Description:		
	Modification:	Previous	Revised
			0
	Justification:	TBD replaced with baseline	
	Justification Description:	Correct value is 0	

Kilometers of distribution lines upgraded or built

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification	Target Modification	
	Description:		

	Year 1	Year 2	Year 3	Year 4	Year 5	End of
Revised Targets	0			1,035	1,035	1,035
Previous Targets	TBD	TBD	TBD	1,080	1,080	1,080

Justification:	TBD replaced with target					
Justification Description:	Targets are updated based off of updated project design. Years before M&E Plan revision are also removed.					

Regulatory governance index

Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			1
	Justification:	TBD replaced with target	
	Justification Description:	The post-compact target of 1 (which corresponds to the maximum score) is based on discussions with the former MCA project lead and the fact that there was significant progress with the passage of the electricity code (from 0.538 to 0.717) and that more progress between 2021 and 2028 is expected.	

Regulatory governance index

Project:	3. Enabling Environment and Capacity Development Project		
Activity:			
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		TBD	The index definition is based on the Electricity
	Justification:	Additional clarity is required to accurately measure or interpret an indicator	

Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Incentivizing Utility Performance Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which the consultant	Date at which the consultant report on poor
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
<i>Performance incentive program</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Incentivizing Utility Performance Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date at which a performance	Date at which a performance incentive program
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance.	
<i>Senelec staff training</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Incentivizing Utility Performance Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
			0
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator is created to match the new result statement.	

Percentage of actions completed			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Incentivizing Utility Performance Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			0
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan build. During this revision, TBD targets were replaced with target provided based on a the results-based financing grants operation manual received after the initial M&E plan.	
Reporting schedule compliance			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Incentivizing Utility Performance Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This is a targeted result of the results-based financing mechanism that was not defined at the time of the initial M&E plan. The associated result has been added to the logic diagram.	
Electricity recovered from adjustment invoices			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Incentivizing Utility Performance Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		

	Modification:	Previous	Revised
			701,510
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	Prior to this M&E plan revision, the result, indicator, and targets were not fully defined. Those details are included in the Results-Based Financing Grants Operation Manual, which became available to the M&E team in October 2024.	
Approval of the Grant Operations Manual			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Incentivizing Utility Performance Sub-Activity		
M&E Plan Version 2	Modification Description:	Creation of new indicator	
	Modification:	Previous	Revised
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan build. During this revision, the TBD target was replaced with no target since the result was achieved before target was set. Also, the definition has been revised to better align with the activity.	
GIS completeness			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		0	0
	Justification:	Irrelevant to the project logic	
	Justification Description:	This result was removed from the logic. It is captured under the "Functional MV network GIS is provided" result.	

<i>Geo-spatial mapping of the network</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification	Retire an indicator	
	Description:		
	Modification:	Previous	Revised
	Justification:	Irrelevant to the project logic	
	Justification	This result was removed from the logic. It is captured under the "Functional MV network GIS is provided" result.	
	Description:		
<i>HV transmission line availability rate</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		
	Modification:	Previous	Revised
			98.58
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification	This indicator is created to replace the retired indicator of "technical losses due to poorly maintained network", which was not feasible to collect. This new indicator is included in Senelec's annual report on the electricity flows.	
	Description:		
<i>Geospatial Maturity Model</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification	Creation of new indicator	
	Description:		

	Modification:	Previous	Revised
			2
	Justification:	Existing indicators do not sufficiently measure project logic	
	Justification Description:	This indicator was omitted from the last M&E Plan MIS build. During this revision, the indicator name and definition is being revised to align with the GIS consultant's approach to measuring this outcome. Also, The consultant's diagnostic report provides a baseline, which was not available during the initial M&E plan. Finally, the TBD target was replaced with target. The target comes from the project team using the consultant's diagnostic report as a reference.	
Maintenance expenditure-asset value ratio			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	
	Justification:	TBD replaced with no baseline	
	Justification Description:	MCA requested baseline and target information Senelec, but has not received it. There is no expectation to receive it in the future.	
Maintenance expenditure-asset value ratio			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification Description:	Target Modification	
		Year 1	Year 2
		Year 3	Year 4
		Year 5	End of
	Revised Targets		
	Previous Targets	TBD	TBD
	Justification:	TBD replaced with no target	

	Justification Description:	MCA requested baseline and target information Senelec, but has not received it.					
Functional GIS of MV/LV network							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous				Revised	
		Date at which a consultant			Date at which a consultant confirms the MV		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance.					
Functional GIS of MV/LV network							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				17-Apr-2025		17-Apr-
	Previous Targets						
	Justification:	TBD replaced with target					
	Justification Description:	The project is able to establish a target IT GIS TOOLS procurement is nearing completion.					
Energy imported or exported							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						

M&E Plan Version 2	Modification Description:	Baseline Modification					
	Modification:	Previous			Revised		
		TBD			322,829		
	Justification:	TBD replaced with baseline					
	Justification Description:	Baseline value is provide by "Rapport mouvement d'énergie 2019".					
Energy imported or exported							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		The total megawatt hours of			The total megawatt hours of electricity imported		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E guidance.					
Energy imported or exported							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets						
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

Energy imported or exported (Imports)			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	322,829
	Justification:	TBD replaced with baseline	
	Justification Description:	Baseline value is provide by "Rapport mouvement d'énergie 2019".	
Energy imported or exported (Exports)			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification Description:	Baseline Modification	
	Modification:	Previous	Revised
		TBD	0
	Justification:	TBD replaced with baseline	
	Justification Description:	Baseline value is provide by "Rapport mouvement d'énergie 2019".	
Completion of the extension of the Computerized Maintenance Management System			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Date of completion of the	Date of completion of the extension of the

	Justification:	Correction of spelling or formatting error.	
	Justification	"is made" removed to improve clarity.	
	Description:		

Completion of the extension of the Computerized Maintenance Management System

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets					01-Apr-2026	01-Apr-
	Previous Targets						

	Justification:	TBD replaced with target	
	Justification Description:	The project is able to establish a target now that the GMAO contract has been signed.	

Number of permanent faults on HTA lines per 100 km of HTA lines

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		Number of malfunctions on HTA	Number of permanent faults on HTA lines per
	Justification:	Additional clarity is required to accurately measure or interpret an indicator	
	Justification Description:	"Malfunctions" replaced with "permanent faults" to more accurately match Senelec's indicator definition.	

Number of permanent faults on HTA lines per 100 km of HTA lines

Project:	3. Enabling Environment and Capacity Development Project
Activity:	3.3 Utility Strengthening Activity

Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	
	Justification Description:	Added TBD.	

Number of permanent faults on HTA lines per 100 km of HTA lines

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	25	20	15	10	10	10
	Previous Targets	25	20	15	TBD	TBD	TBD

	Justification:	TBD replaced with target				
	Justification Description:	Target 2024-2026 based on Senelec "Plan de développement stratégique 2021-2025, P29" : 2024 : 10; 2025 : 10; 2026 : 10.				

Employees trained in the Computerized Maintenance Management System

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		The sum of Senelec employees	The sum of Senelec employees who attended at
	Justification:	Correction of spelling or formatting error.	

Activity:	3.3 Utility Strengthening Activity					
Sub-Activity:	Network Management Sub-Activity					
M&E Plan Version 2	Modification Description:	Target Modification				
		Year 1	Year 2	Year 3	Year 4	Year 5
	Revised Targets				TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target				
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.				

Technical losses due to poorly maintained network

Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification Description:	Retire an indicator	
	Modification:	Previous	Revised
		TBD	TBD
	Justification:	Cost of data collection for indicator outweighs usefulness	
	Justification Description:	Senelec has never filled in this indicator and the cost of data collection outweighs its usefulness.	

Establishment of the inventory management system

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project				
Activity:	2.2 Consumer Demand Support Activity				
Sub-Activity:	Supporting Connections Sub-Activity				
M&E Plan Version 2	Modification Description:	Indicator Definition Modification			
	Modification:	Previous		Revised	
		Date of the		Date of the establishment of the inventory	
	Justification:	Correction of spelling or formatting error.			

M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets					5,483	5,483
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	Justification Description:	Targets updated to align with revised Distribution Network Reinforcement ERR.					
Setup of new dispatching model							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Date at which all software and			Date at which all software and tools for the new		
	Justification:	Correction of spelling or formatting error.					
	Justification Description:	Added a period to align with M&E Plan guidance.					
Efficient GIS							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Retire an indicator					
	Modification:	Previous			Revised		
		TBD			TBD		
	Justification:	Irrelevant to the project logic					
	Justification Description:	This indicator is Replaced with the Geospatial Maturity Model indicator.					

<i>Transmission date of poor performance recommendations to the Senelec Director General</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Incentivizing Utility Performance Sub-Activity		
M&E Plan Version 2	Modification	Retire an indicator	
	Description:		
	Modification:	Previous	Revised
	Justification:	Irrelevant to the project logic	
	Justification	This indicator is replaced with the Approval of the Grant Operations Manual indicator.	
	Description:		
<i>Number of Senelec agents trained in managing the assets of the MV network / BT</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.3 Utility Strengthening Activity		
Sub-Activity:	Network Management Sub-Activity		
M&E Plan Version 2	Modification	Retire an indicator	
	Description:		
	Modification:	Previous	Revised
		TBD	TBD
	Justification:	Irrelevant to the project logic	
	Justification	This indicator is replaced with the Maintenance expenditure-asset value ratio indicator	
	Description:		
<i>Date of preparation of the financial statements by the various subsidiaries</i>			
Project:	3. Enabling Environment and Capacity Development Project		
Activity:	3.1 Sector Governance Activity		
Sub-Activity:	Legal and Sector Framework Sub-Activity		
M&E Plan Version 2	Modification	Retire an indicator	
	Description:		
	Modification:	Previous	Revised

	Justification:	Irrelevant to the project logic				
	Justification Description:	This indicator is replaced with the Functional bundling completion indicator				

Kilometers of transmission lines upgraded or built (Undersea)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.1 Transmission Network Build Out Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0	15	15	15	15
	Previous Targets	0	0	18.5	18.5	18.5	18.5

	Justification:	Corrections to erroneous data				
	Justification Description:	The target for the line Kounoune Patte d'Oie is 22 km in the feasibility study document and not 20 km for year 2 as stated in the initial M&E plan.				

Kilometers of transmission lines upgraded or built (Underground)

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project						
Activity:	1.1 Transmission Network Build Out Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	22	30.3	30.3	30.3	30.3
	Previous Targets	0	20	27	27	27	27

	Justification:	Corrections to erroneous data				
	Justification Description:	The target for the line Kounoune Patte d'Oie is 22 km in the feasibility study document and not 20 km for year 2 as stated in the initial M&E plan.				

Total battery capacity to required operating reserve capacity

Project:	1. Modernizing and Strengthening Senelec's Transmission Network Project		
Activity:	1.3 Grid Stabilization Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Indicator Definition Modification	
	Modification:	Previous	Revised
		This is the contribution of the storage batteries	The contribution of the storage batteries to the
	Justification:	Correction of spelling or formatting error.	
	Justification Description:	Added a period to align with M&E Plan guidance. Deleted "This is" at the beginning of the definition for grammatical consistency with other indicators. Minor revisions to make this consistent with a "percentage" indicator rather than a "ratio" one. indicator name also changed accordingly.	

Customers added by project (Households)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.1 Supply-Side Intervention Activity						
Sub-Activity:							
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0				0
	Previous Targets	0	0	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target	
	Justification Description:	CBA models do not have household and business targets	

Customers added by project (Social infrastructure)

Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project
Activity:	2.1 Supply-Side Intervention Activity
Sub-Activity:	

M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets	0	0				0
	Previous Targets	0	0	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed. Also, TBD replaced with target with target drawn from approved Senelec Action Plan.					

Customers added by project (Social infrastructure)			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.1 Supply-Side Intervention Activity		
Sub-Activity:			
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			674
	Justification:	TBD replaced with target	
	Justification Description:	Target drawn from approved Senelec Action Plan.	

Productive-use electrical equipment users (Female)			
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project		
Activity:	2.2 Consumer Demand Support Activity		
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity		
M&E Plan Version 2	Modification Description:	Post-Program Target Modification	
	Modification:	Previous	Revised
			TBD
	Justification:	Corrections to erroneous data	

M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous			Revised		
					TBD		
	Justification:	Corrections to erroneous data					
	Justification Description:	Was missing TBD.					
Productive-use electrical equipment users (Male)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity						
M&E Plan Version 2	Modification Description:	Baseline Modification					
	Modification:	Previous			Revised		
		0			22.9		
	Justification:	Corrections to erroneous data					
	Justification Description:	Baseline retrieved from baseline study					
Productive-use electrical equipment users (Male)							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Market Facilitation for Equipment Access Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	M&E Plan revision is taking place after the years that are being changed to no target.					

<i>Time to connect in the project intervention zone</i>							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Post-Program Target Modification					
	Modification:	Previous	Revised				
			10				
	Justification:	Corrections to erroneous data					
	Justification Description:	Targets are based off of the validated Senelec Action Plan.					
<i>Time to connect in the project intervention zone</i>							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous	Revised				
		Average number	Average number of days between when a new				
	Justification:	Additional clarity is required to accurately measure or interpret an indicator					
	Justification Description:	Clarifying that the data collected is within the project zone					
<i>Time to connect in the project intervention zone</i>							
Project:	2. Increasing Access to Electricity in Rural and Peri-Urban Areas Project						
Activity:	2.2 Consumer Demand Support Activity						
Sub-Activity:	Supporting Connections Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				10	10	10

	Previous Targets	39	25	25	10	10	10
	Justification:	Corrections to erroneous data					
	Justification Description:	Targets are based off of the validated Senelec Action Plan.					
Regulatory governance index							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.2 Regulatory Strengthening Activity						
Sub-Activity:	Regulatory Governance Sub-Activity						
M&E Plan Version 2	Modification Description:	Creation of new indicator					
	Modification:	Previous			Revised		
					0.54		
	Justification:	Existing indicators do not sufficiently measure project logic					
	Justification Description:	This indicator was omitted from the last M&E Plan MIS build. During this revision, additional clarity was added to the definition based on the "Source: Rapport de la Situation de Référence MCA-Sénégal II MCASENEGAL2 FINAL, P118" It is the index that assesses the level of development of the legal and institutional framework for the regulation of the sector in a given country." Also, the TBD targets were replaced with no target because the project did not provide a target.					
Private sector participation in electricity generation							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Private Sector Participation Sub-Activity						
M&E Plan Version 2	Modification Description:	Indicator Definition Modification					
	Modification:	Previous			Revised		
		Electricity generation from			Total amount of electricity generated from		
	Justification:	Correction of spelling or formatting error.					

	Justification Description:	Added a period to align with M&E Plan guidance.					
Private sector participation in electricity generation							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.1 Sector Governance Activity						
Sub-Activity:	Private Sector Participation Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets				TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	No target provided by the project team or SENELEC for the first 3 years. For the end of Compact, we still waiting availability of 2023 Energy Information System (SIE) report currently being validated or LPDSE 2024-2029.					
Maintenance expenditure-asset value ratio (MV)							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Baseline Modification					
	Modification:	Previous			Revised		
		TBD					
	Justification:	TBD replaced with no baseline					
	Justification Description:	MCA requested baseline and target information Senelec, but has not received it. There is no expectation to receive it in the future.					
Maintenance expenditure-asset value ratio (MV)							
Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						

Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets						
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with no target					
	Justification Description:	MCA requested baseline and target information Senelec, but has not received it.					

Maintenance expenditure-asset value ratio (LV)

Project:	3. Enabling Environment and Capacity Development Project				
Activity:	3.3 Utility Strengthening Activity				
Sub-Activity:	Network Management Sub-Activity				
M&E Plan Version 2	Modification Description:	Baseline Modification			
	Modification:	Previous		Revised	
		TBD			
	Justification:	TBD replaced with no baseline			
	Justification Description:	MCA requested baseline and target information Senelec, but has not received it. There is no expectation to receive it in the future.			

Maintenance expenditure-asset value ratio (LV)

Project:	3. Enabling Environment and Capacity Development Project						
Activity:	3.3 Utility Strengthening Activity						
Sub-Activity:	Network Management Sub-Activity						
M&E Plan Version 2	Modification Description:	Target Modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of
	Revised Targets						
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

Justification:	TBD replaced with no target
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	Justification Description:	MCA requested baseline and target information Senelec, but has not received it.	

Tables documenting changes from Compact Annex III to M&E Plan

Transmission Project

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
Outcome Indicators						
Secure quality electricity supply from the lowest cost sources to meet the growing demand (Project Objective)	Provide quality electricity from the lowest cost sources available to Senelec to meet the growing demand on the interconnected network in Senegal	See below	See below	See below		The objective statement did not materially change between Compact Annex III and the M&E plan. The M&E plan broke down the objective into outcomes related to the cost, quality, and quantity of electricity. These are described in the rows below.
Secure quality electricity supply from the lowest cost sources to meet the growing demand (Project Objective)	Increased quantity of electricity transmitted and distributed on the interconnected network	Electricity supply	Total electricity, in gigawatt hours, produced or imported in a year.	+Additional energy transmitted and distributed in the Dakar peninsula + Additional energy transmitted from added transformers	+ Incremental energy transmitted in MWh in Dakar annually due to Transmission Network Build-out Activity. It's the additional load at the fourteen substations in the Dakar peninsula. This is calculated by subtracting the maximum load the 14 Dakar substations can manage (574.8 GWh) from the actual energy departing that substation in a given period. + Incremental energy transmitted annually through the Touba, Diass, Hann, and Aeroport substations, net of transformer losses as result of MCC's investment.	The Annex III Compact indicator was meant to reflect the increase in electricity quantity. These two new indicators are more closely aligned with the CBA model and reflect the additional energy transmitted thanks to the project rather than changes in the overall electricity supply.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
					This is calculated by subtracting the maximum load the substation can manage from the actual energy departing that substation in each period.	
Secure quality electricity supply from the lowest cost sources to meet the growing demand (Project Objective)	Increased quantity of electricity transmitted and distributed on the interconnected network	Electricity demand met	Electricity generated in Senegal plus Electricity imports minus non- distributed energy in a single year	Same as above	Same as above	Same as above
Secure quality electricity supply from the lowest cost sources to meet the growing demand (Project Objective)	Increased quantity of electricity transmitted and distributed on the interconnected network	Electricity sales	Total electricity sales for HV, MV, and LV customers as reported by Senelec	Number of load shedding events experienced by customers	Number of load shedding events recorded in a year	Same as above
Secure quality electricity supply from the lowest cost sources to meet the growing demand (Project Objective)	Reduced generation costs	Share of the electricity supply dispatched from non-HFO sources	Number of megawatt hours of electricity from non-HFO generation sources produced or imported in a year / Total number of megawatt hours in a year produced or imported in a year	Average kWh generation cost	Weighted average of generation costs from all sources	There is no material change between the Compact and M&E plan indicators.
Secure quality electricity supply from the lowest cost	Customers experience fewer service interruptions and			Total non-distributed energy on the network	Estimation of all non-distributed energy	Indicator added as an alternative way to

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
sources to meet the growing demand (Project Objective)	voltage fluctuations				from service interruptions	measure electricity quality.
Secure quality electricity supply from the lowest cost sources to meet the growing demand (Project Objective)	Customers experience fewer service interruptions and voltage fluctuations			Customers experiencing at least one service interruption*	[Sum of customers stating they have experienced at least one service interruption in the last days based on a representative sample of all electricity customers in Senegal / total number of survey respondents] X 100	Indicator added as an alternative way to measure electricity quality.
Secure quality electricity supply from the lowest cost sources to meet the growing demand (Project Objective)	Customers experience fewer service interruptions and voltage fluctuations			Average number of service interruptions experienced*	[Sum of service interruptions in the last seven days reported by a representative sample of all electricity customers in Senegal / total number of survey respondents]	Indicator added as an alternative way to measure electricity quality.
Secure quality electricity supply from the lowest cost sources to meet the growing demand (Project Objective)	Customers experience fewer service interruptions and voltage fluctuations			Average duration of service interruptions experienced*	[Sum of the average duration of all service interruptions in the last seven days reported by a representative sample of all electricity customers in Senegal / total number of service interruptions reported]	Indicator added as an alternative way to measure electricity quality.
Increased financial viability of sector	Increased financial viability of sector	Quasi-fiscal deficit	Net revenue of an efficient utility minus cash collected by the utility in a year. See Trimble et al (2016) for full definition	-		This result is only indirectly related to the Transmission Project. Its indicators are in the Reform Project.
Reduced consumer tariff	Reduced generation costs	Average consumer tariff	Sum of consumer tariffs for all consumer categories	Average kWh generation cost	Weighted average of generation costs from all sources	The link between the decrease in generation costs and tariffs depends on the tariff regime, which is

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
			divided by number of consumer categories			addressed in the Reform Project results and indicators.
Increased revenue for power producers	Increased revenue for power producers	TBD	TBD	-		This result is related to the Reform Project. It will be measured in the Reform Project.
Reduced energy expenditures		TBD		TBD		The M&E plan does not include indicators for results beyond the Project Objective and benefits modeled in the CBAs. These higher- level outcomes will be assessed through independent evaluations where feasible to do so.
Reduced damage to equipment		TBD		TBD		
Increased production certainty		TBD		TBD		
Reduced production costs and increased productivity of firms		TBD		TBD		
Decreased costs associated with restarting production		TBD		TBD		
Improved network reliability and stability	Improved network reliability and stability	Non-distributed energy	Estimate of how much electricity would have been distributed had there not been a service interruption caused by lack of generation, incidents, load shedding by HV customers, maintenance works, overloaded transformers or lines, and load shedding due to LV.	System Average Interruption Duration Index (SAIDI)*	Sum of durations, in customer-hours, of all customer interruptions in a quarter / Total number of customers connected to transmission network in the same quarter	It is expected from the Network reliability and stability a reduction in the frequency and duration of outages. This is why the indicator has changed. However, non-distributed energy always remains a measure of reliability and is measured
				System Average Interruption Frequency Index (SAIFI)*	Sum of customer-interruptions in a quarter / Total number of customers connected to network in the same quarter	
				Customer perception of service quality*	[Sum of customers stating they have very good or good perception of the quality of the electricity services based on a representative sample of all electricity customers in Senegal / total number of survey respondents] x 100	

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
Consumers experience less service interruptions and voltage fluctuations	Customers experience fewer and shorter service interruptions and voltage fluctuation	(P-21) System Average Interruption Duration Index (SAIDI)	Sum of durations, in customer-hours, of all customer interruptions in a quarter / Total number of customers connected to network in the same quarter.	Number of load shedding events experienced by customers	Number of load shedding events recorded in a year	The result is revised to capture the <i>duration</i> of interruptions as well as the <i>frequency</i> .
		(P-22) System Average Interruption Frequency Index (SAIFI)	Sum of customer-interruptions in a quarter / Total number of customers connected to network in the same quarter.	Total non-distributed energy on the network	Estimation of all non-distributed energy from service interruptions	
Increased integration of intermittent energy sources	Increased integration of intermittent energy	(P-26) Share of intermittent energy in the country	Total installed generation capacity of on- or off-grid intermittent energy, in megawatts / Total installed generation capacity	See below		See below
		Share of intermittent energy in electricity supply	Total generation of electricity from intermittent energy sources, in gigawatts in one year / total generation of electricity in one year	Intermittent energy curtailment*	Planned (or deemed) quantity of electricity generated from all solar and wind sources in a year minus Actual quantity of electricity generated from solar and wind sources in a year	This indicator gets at the utilization of intermittent power plants. It is meant to capture the actual generation of intermittent energy plants compared to what could be generated considering installed capacity and climactic conditions.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
				Capacity factor of solar energy power plants*	(Net annual electricity generated (MWh) from solar power plants / (24 hours*365.25 days)) / Installed capacity of solar power plants (MW)	Same as above
				Capacity factor of wind energy power plants*	(Net annual electricity generated (MWh) from wind power plants / (24 hours*365.25 days))/ Installed capacity wind power plants (MW)	Same as above
				Electricity from intermittent sources	[Electricity transmitted on the interconnected network from solar and wind power plants / all energy transmitted on the interconnected network excluding electricity from gas power plants] X 100	The only difference with the new indicator is that it excludes electricity from gas in its calculation. Gas is excluded because of the disproportionate effect that the introduction of gas will have on the overall energy mix.
Reduced generation costs	Reduced generation costs	Generation cost	Average variable cost of generating one kWh of electricity of Senelec and IPPs.	Average kWh generation cost	Weighted average of generation costs from all sources	The indicator name has been modified to be more consistent with the definition
Increased reserve margin	-	Reserve Margin	Installed capacity less peak load, as a percentage of peak load.	-	-	The result is removed from the project logic as the sector experts no longer think the Compact will directly contribute to this result.
		Quantity of available reserve	TBD			
Increased dispatching of least-cost generation sources	Increased dispatching from least cost-sources	Utilization of intermittent energy power plants	Actual number of megawatt hours	Least-cost generation*	Quantity of energy dispatched from 10% of the least expensive generation units in a	Lower-cost generation is more accurate to determine whether the least cost sources of

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
			generated in a year from intermittent energy power plants / Maximum annual load from intermittent energy power plants		quarter / Total quantity of energy dispatched in a quarter	electricity are being dispatched. There are additional indicators (above) for the “increased integration of intermittent energy”, which are complementary.
-	Reduced new development of thermal generation capacity	-	-	Thermal generation capacity development	(Number of megawatts in new installed thermal generation capacity divided total installed generation capacity on one year) x 100	Indicator is added to measure the proportion of thermal generation in new generation
Voltage fluctuations controlled and reduced	Frequency and voltage fluctuations controlled and reduced	Voltage stability	Number of hours that the voltage level is within +/- 10 % of its expected level in one year / Total number of hours in a year.	Voltage stability*	[Number of hours during which the voltage is +/- 5% of the acceptable level on 225 kV and 90 kV lines / divided by number of hours in the period] X 100	The result in Annex III only had an indicator for voltage stability, while the result incorporates both frequency and voltage stability. Both are the results of the project.
				Frequency stability*	[Number of hours during which the frequency level is between 47.5 Hz and 52.5 Hz / number of hours during the period] X 100	
Improved response time of power producers	-	Compliance with standard response time as defined by the regulator	Power producers with response time that complies with the regulator's standard / total number of power producers	-	-	This result does not appear in the Transmission Project logic diagram in the Compact
Increased electricity quantity transmitted		Quantity of electricity	Total quantity of electricity in		Incremental energy transmitted in MWh in	Transmission network Build-out Activity area

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
and distributed on network	Increased quantity of electricity transmitted and distributed on the interconnected network	distributed to substations in the Dakar area	MWh distributed to substations in the Dakar area per quarter	Additional energy transmitted and distributed in the Dakar peninsula	Dakar annually due to Transmission Network Build-out Activity. It's the additional load at the fourteen substations in the Dakar peninsula. This is calculated by subtracting the maximum load the 14 Dakar substations can manage (574.8 GWh) from the actual energy departing that substation in a given period. The load flow model estimated the maximum load would be attained in 2023.	has been reviewed. Instead of the Dakar region, the results are limited to Dakar peninsula. This result has been incorporated into the Project Objective.
Improved efficiency of high-voltage network	-	Network performance	Total megawatt hours billed / Total megawatt hours transmitted out from power plants	-	-	The Project is not expected to have a measurable effect on transmission system losses. The result from Annex III of the Compact on "Improved efficiency of high-voltage network" has been removed from the project logic in this initial M&E plan.
		(P-18) Transmission system technical losses (%)	1- [Total MWh transmitted out from transmission substations / Total MWh hours received from generation to transmission substations]			
Reduced congestion on over-utilized lines and substations	Reduced congestion on overutilized lines and substations	Substation capacity factor or transmission	TBD	Sub-station overloading	[Weighted average of the Non-coincident Peak Load (MVA) of the Touba, Diass, Hann, and Aeroport	The indicator replaces a TBD.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
		system utilization			substations / Weighted average of the Firm Capacity in Contingency (N-1) (MVA) the Touba, Diass, Hann, and Aeroport substations] X 100	
Substation transformer losses are reduced	Reduced transformer losses	Substation transformer losses	1 – [Quantity of electricity in MWh distributed to transformers rehabilitated with MCC funds / Quantity of electricity leaving MWh transformers rehabilitated with MCC funds]	Transformer losses*	(1 – (Quantity of electricity in MWh distributed to posts rehabilitated with MCC funds / Quantity of electricity leaving MWh transformers rehabilitated with MCC funds X 100	No material changes in the indicator.
Reserve capacity from battery storage installed	Operating reserve strategy implemented	Batteries installed	Number of batteries installed under the Program	Number of batteries installed	Number of batteries installed as defined in the operating reserve strategy	No material changes to indicator
		Storage capacity installed	Total capacity in ampere-hours of batteries installed with funding	Battery storage capacity installed	Total capacity in ampere-hours of battery storage	
-	Operating reserve strategy implemented	-	Senelec develops a spinning reserve strategy approved by its board of directors, which includes at least three	Power generation capacity equipped with speed and voltage regulator*	The sum of generation capacity in MVA with a speed and voltage regulator is divided by the sum of all generation capacity. Rental generation (e.g., Aggreko) and sub-regional units are excluded (Manatali, Felou)	This result is on Transmission Project logic but has not been included in the indicator table

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
			types of reserve: primary (10 minutes), secondary (30 minutes), and tertiary.	Execution rate of the operating reserve strategy	(Value of executed contracts supporting the reserve strategy divided by the total estimated cost of the strategy's action plan) x 100	
-	Battery storage used	-	-	Quantity of energy injected into the network from the newly installed batteries	Quantity of energy injected into the network from the newly installed batteries	This indicator was added to reflect an important assumption between the installation of batteries and their effects on network reliability
Outputs Indicators						
Spinning reserve strategy is developed and adopted	Operating reserve strategy developed and adopted	Spinning reserve strategy is developed and adopted	Senelec develops a spinning reserve strategy approved by its board of directors, which includes at least three types of reserve: primary (10 minutes), secondary (30 minutes), and tertiary.	Date at which operation reserve strategy adopted	-	The Compact uses "spinning reserve" instead of "operation reserve" which is more specific because it includes the spinning and non-spinning reserves and storage batteries
Undersea cables and transmission lines/circuits constructed or rehabilitated	Undersea and underground cables constructed	(P-7) Km transmission lines upgraded or built	The sum of linear kilometers of new, reconstructed, rehabilitated, or upgraded transmission lines that have been energized,	(P7) Kilometers of transmission lines upgraded or built	The sum of linear kilometers of new, reconstructed, rehabilitated, or upgraded transmission lines that have been energized, tested and commissioned with MCC's support	No material changes to the result or indicator. Two results were combined in one.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
			tested and commissioned with MCC support.			
Increased capacity of transmission lines	Undersea and underground cables constructed	(P-8) Transmission throughput capacity added	Throughput capacity, in megawatts, added by new, reconstructed, rehabilitated, or upgraded transmission lines that have been energized, tested and commissioned with MCC support.	(P8) Transmission throughput capacity added	The increase in throughput capacity, measured in megawatts, added by new, reconstructed, rehabilitated, or upgraded transmission lines that have been energized, tested and commissioned with MCC support	
Substations modified and capacity increased	Substations constructed or expanded	-	-	Number of sub-stations constructed or expanded	Sum of air-insulated and gas-insulated substations constructed or expanded with MCC funds	The result statement was modified to focus more specifically on the added capacity of transformers. The M&E plan also includes two indicators to capture the number of substations and the amount of added capacity. The result is related to both "Dakar Transmission Network Build Out" and "Transformer replacement" activities.
	Transmission substation capacity added	(P-9) Transmission substation capacity added	The total added transmission substation capacity, measured in megavolt amperes, which is energized, commissioned and accompanied by a test report and supervising engineer's certification resulting from	(P-9) Transmission substation capacity added	The total added transmission substation capacity, measured in megavolt amperes, that is energized, commissioned and accompanied by a test report and supervising engineer's certification resulting from new construction or refurbishment of existing substations that is due to MCC support	

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E plan indicator definition	Reason for change
			new construction or refurbishment of existing substations that is due to MCC support.			
Transformers constructed or rehabilitated	Transformers upgraded or replaced	NA	NA	Number of transformers upgraded or replaced	The sum of transformers that are upgraded or replaced with MCC funding through the Transformer Replacement Activity	This result was included in the Annex III logic diagram, but not in the indicator table. This output indicator rectifies the omission from Annex III.
-	Remote load shedding special protection system established	-	-	Date of receipt of remote load-shedding equipment	Date on which remote load shedding equipment is acquired and received so that it can play its role as defined in the operating reserve strategy	This output result was added to the project logic as the planned Activity became more defined. This system is referred to as a “network management improvement” in annex I of the Compact.

Access Project¹

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
Outcome Indicators						
Increased number of households / firms connected to the grid	Increased number of households, firms, and critical social infrastructure connected to the grid	(P-25) Percentage of households connected to the national grid	Number of households that have access to a legal connection to electricity service from an electrical utility or service provider / Total number of households in the country.	Percentage of households connected to the national grid	Number of households that have access to a legal connection to electricity service from an electrical utility or service provider / Total number of households in the country.	The result is revised to include “critical social infrastructure” (such as schools or health centers). The Compact states that “During detailed design, MCC and the Government shall also endeavor to identify critical social infrastructure (...) to determine if they can feasibly be connected”. The indicator “Customers added by project” is added to measure new connections that result from MCC’s investments while the previously included indicator (P-25) encompasses all connections nation-wide.
				Customers added by project	The number of new customers that have gained access to a legal connection to electricity service from an electrical utility or service provider.	
Increased demand and supply of quality electricity in rural areas of Senegal	Improved supply and demand for quality electricity in rural and peri-urban areas of Senegal (PROJECT OBJECTIVE)	Electricity consumption in MCC’s intervention areas	The quantity of electricity consumed annually among the population of the target departments	Electricity consumption for domestic use	The total Megawatt hours of electricity consumed annually for domestic use by the population gaining access to a legal electricity connection through the project.	"Peri-urban" is added to the result statement to be consistent with the Project Objective as stated in Article 1 of the Compact. Electricity consumption is broken down into domestic and productive use to be consistent with the project logic and CBA model.
		Electricity consumption in MCC’s intervention areas	The quantity of electricity consumed annually among the population of the target departments	Electricity consumption for productive use	The total Megawatt hours of electricity consumed annually for productive uses by the population gaining access to legal electricity connection through the project	
Increased demand	Improved supply and demand for quality	Land value	The amount of rent income that Project Beneficiaries earned in a calendar year	None		Land value was removed from the indicator tables. Although it was modeled in the CBA, it is not aligned

¹ This table will be updated with the combined annex data.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
and supply of quality electricity in rural areas of Senegal	electricity in rural and peri-urban areas of Senegal (PROJECT OBJECTIVE)					with the project logic. The independent evaluation may still assess land value to estimate the project's economic rate of return.
Increased electricity coverage in focus rural areas	Improved electricity coverage in intervention areas	Electricity coverage	1 – [individuals living in electrified localities divided / the total population of the area]	Electrified localities	The total number of localities electrified with MCC funding. A locality is considered electrified when there is at least one legal connection to the network.	The revised indicator is considered adequate for measuring the result. It is simpler than the indicator in the Compact since it does not require additional information on the population of the localities.
Decreased connection cost for rural households	-Improved electricity access in intervention areas	Increased share of households in the project area that are located within 35 meters of the grid	Households located 35/45 meters or less from the grid divided by total households in the area	Electricity access in project areas-	The population with effective access to electricity divided by the total population of the area.	The routes of the planned lines are optimized to cover all households within 35 / 45m, so the indicator is changed to be less specific. The result name is also modified because, since the target communities did not previously have access to grid electricity, the result should not speak to a "Decreased connection cost."
Improved performance and reliability of the distribution network	Improved performance and reliability of the distribution network	(P-19) Distribution system losses	1 – [Total megawatt hours billed / Total megawatt hours received from transmission].	Distribution system losses	1 – [Total megawatt hours billed / Total megawatt hours received from transmission]	No change
	Reduction of Service Interruptions	(P-21) System Average Interruption Duration Index (SAIDI)	Sum of durations, in customer-hours, of all customer interruptions in a quarter / Total number of customers connected to network in the same quarter.	System Average Interruption Duration Index (SAIDI) in MCC intervention areas*	Sum of durations, in customer-hours, of all customer interruptions in a quarter / Total number of customers connected to network in the same quarter	"Reduction of Service Interruptions" added to distinguish the between the efficiency/performance and the reliability of the grid.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
	Reduction of Service Interruptions	(P-22) System Average Interruption Frequency Index (SAIFI)	Sum of customer-interruptions in a quarter / Total number of customers connected to network in the same quarter.	System Average Interruption Frequency Index (SAIFI) in MCC intervention areas*	Sum of customer-interruptions in a quarter / Total number of customers connected to network in the same quarter, in MCC intervention areas	Same as above
	Reduction of technical losses	-	-	Avoided technical losses	Avoided technical losses on lines improved with MCC funding.	The result "reduction of technical losses" is added to better align with the feasibility study's technical analysis underlying the investments under the "Distribution network Reinforcement" Activity.
	Improved electricity technical service quality for customers	-	-	Non-distributed energy on the distribution network	Quantity of non-distributed energy caused by under-frequency resulting from distribution network outages	This result/indicator matches a key, intended benefit stream modelled in this Activity's CBA model.
Improved knowledge , of energy efficiency standards and equipment	Good knowledge of standards and equipment with high energy efficiency	Knowledge of energy efficiency standards and equipment	Percent of individuals receiving a 'passing grade' on a survey assessing their knowledge, attitudes, and practice of energy efficiency standards and equipment	Level of consumer knowledge of energy efficiency standards and equipment*	Percentage of survey respondents stating that they have 'very good' or 'good' knowledge of energy efficiency standards and equipment	The scope of the education campaign component is limited to the intervention areas of the Access Project instead of at the national level. Indicators correspond to the different modules of the education campaign.
	Improved consumer knowledge on the key elements of the service regulations and the standards and obligations of Senelec and the			Level of knowledge of the key elements of the service regulations and the standards and obligations in force at the level of Senelec and dealers by consumers*	Percentage of survey respondents stating that they have very good or good knowledge of the key elements of the service regulations and the standards and obligations in force at the level of Senelec and dealers by consumers	

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
	concessionaires			Level of household understanding of the connection process*	Percentage of survey respondents stating that they have Very good or good knowledge of the connection process	
				Level of knowledge of network connection time*	Percentage of survey respondents stating that they have 'very good' or 'good' knowledge of network connection time	
Increased efficient consumption of electricity	Adoption of electrical efficiency practices	Adoption of energy efficient practices	Percent of individuals receiving a 'passing grade' on a survey assessing their knowledge, attitudes, and practice of energy efficiency standards and equipment	Adoption rate of attitudes and practices related to energy efficiency equipment and standards*	Percentage of survey respondents stating that they are fully or partially adopting attitudes and practices related to energy efficiency equipment and standard	These indicators are deemed superior at measuring changes in adopting energy efficiency practices in communities previously unconnected to the grid.
				Percentage of households using energy-efficient appliances*	The number of households using energy-efficient appliances divided by the total number of households with access to electricity in MCC intervention areas.	
Level of electricity service is enhanced for the same cost	-	Enhanced electricity service	Percent of grid-connected customers (firms, households, and services) who state that they use more electricity, because of their adoption of energy efficient behaviors or products. This includes, but is not limited to, an increase in hours of electricity use and the purchase of additional electrical equipment.	-		These results are deleted because the education campaign has been rescoped to only the Access project intervention areas rather than to be at the national level.
Energy savings for	-	Savings in electricity bills	Percent of grid-connected customers experiencing savings in their electricity bills after adopting an	-		

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
electricity consumer s			energy efficient product or process.			
Energy savings for electricity consumer s	-	Average annual energy savings of grid- connected customers	Average amount of money that grid connected customers save in one month after adopting an energy efficient product or process times 12	-		
Electricity consumers value service that Senelec provides	Improved customer confidence in and satisfaction with Senelec and concessionaires	Electricity consumers' value of Senelec's services	Percent of electricity consumers (in rural areas of Senegal) who state that Senelec's services are "important" or "very important" to their well-being	Customer satisfaction index*	Percentage of survey respondents stating that they are satisfied or very satisfied with the quality of electricity they receive from their service provider	The result and indicators are revised to see if customers value their electricity service by asking about their 'satisfaction'.
Electricity consumers have greater trust in Senelec	Improved customer confidence in and satisfaction with Senelec and concessionaires	Electricity consumers' trust in Senelec's services	Percent of electricity consumers (in rural areas of Senegal) who state that they trust Senelec to provide quality services	Customer confidence index*	Percentage of survey respondents stating that they have trust in their electricity service provider	Customer satisfaction index and customer confidence are both deemed important for measuring the achievement of this result. However, this result aligns better with the intended outcomes of the education campaign sub-activity, and Perhaps it will be revisited during the next revision.
Decreased number of consumers disconnecting	-	Number of grid-connected customers disconnecting	Number of grid-connected customers who disconnect in a single year in the target intervention areas	-		This result/indicator is deleted because measuring the change in "consumers disconnecting" would not be useful since the education campaign will only take place in previously unconnected areas of Senegal.
Unconnected households and firms understand the	Improved consumer knowledge on the key elements of the service regulations and the	Understanding of the connection process	Percent of households and firms who respond correctly to at least 75% of survey questions on the connection process	Level of household understanding of the connection process*	Percentage of survey respondents stating that they have Very good or good knowledge of the connection process	See result above

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
process for connecting to the grid	standards and obligations of Senelec and the concessioners					
Households and firms understand electricity as an input to income-generating activities	Improved appreciation of households and enterprises of the role of electricity as an input to income-generating activities	Household understanding of electricity as an input to income-generating activities	Percent of households who can cite at least one productive use of electricity	Level of perception of households and businesses on the role of electricity as an input to income-generating activities in the areas of intervention of the MCC (Commune or Locality) *.	Percentage of households and businesses respondents stating that the role of electricity as an input to income-generating activities is Very important or Important	Indicator is changed to be more relevant for measuring the result.
-	Improved availability of equipment for connections	-	-	Level of perception of households in relation to the availability of equipment for connections in the areas of intervention of the MCC (Municipality or Locality) *	Percentage of survey respondents stating that equipment for connections are 'very available' or 'available'	Result and indicator are added because they are related to supporting connections sub-activity
Local stakeholders better understand the energy needs of the rural poor	-	Number of local organizations promoting rural electrification efforts	Number of local government offices and civil society organizations that have taken concrete steps to promote access to electricity	-	-	Because this project no longer intends to have separate "national" and "regional" education campaign sub-activities, the logic was reorganized to include only one "education campaign" sub-activity, decreasing the number of results/indicators. Existing indicators can be disaggregated to measure the specific impact on the rural poor during a future M&E Plan revision.
Rural poor have better access to information regarding rural electrification on projects	-	Percent of rural poor with better access to information on rural electrification projects	Percent of rural population that is very poor, poor, or almost poor (according to World Bank definitions) who correctly cite rural electrification projects occurring in their department	-	-	
Improved design,	-	TBD	TBD	-		

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
planning, and implementation of rural electrification efforts						
Improved customer communications and relations	Improved communications and client relationships	Customer satisfaction index	Rating of customer service (technical and non-technical) by customers	Degree of customer satisfaction with the relationships and communication developed by electricity suppliers*	Percentage of survey respondents stating that they are very satisfied or satisfied with the electricity suppliers' client relations and communication.	The indicator is revised to be more relevant for measuring the result.
Improved inventory management	Improved inventory management and availability of technical resources	Time to connect	Average number of days that between when a new customer pays the electricity service provider and when s/he is effectively connected	Number of stock-outs	The number of stock-outs of electrical meters per year	Two new indicators are added to better align with Senelec's connections action plan.
				Time to first visit	Average number of days between when a new consumer makes initial demand and the day the operator conducts his first visit	
				Time to connect	Average number of days between when a new customer pays the electricity service provider and when s/he is connected	
Potential customers connected with reliable service provider	Improved access of targeted customers to reliable service providers	Number of potential customers linked to service providers needed for establishing new connection	TBD	Level of client satisfaction with providers*	Percentage of survey respondents stating that they are Very satisfied or satisfied with providers in rural areas	The new result and indicator are considered more appropriate. The M&E Plan's indicator is both more feasible to measure and signals if improved client satisfaction, which is a step towards increasing connections, is being achieved. This result/indicator might be

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
						further revised during the M&E Plan revision.
Increase in number of qualified and competent electrical technicians	Increase in the number of qualified and competent electricians for inside wiring	Number of qualified and competent electrical technicians	Number of electrical technicians in the target intervention areas	Proportion of qualified and competent electricians for inside wire in MCC intervention areas*	Number of electricians qualified and competent in inside wiring/total number of electricians in MCC intervention areas	The result and indicator are revised to better reflect the Activity's intended outcomes.
	Increased number of electricians qualified to do interior wiring			Qualified electricians*	Number of electricians qualified to do interior wiring for new connections per 1,000 clients in MCC's intervention areas	
Equipment suppliers pursuing market opportunities in target intervention areas	Equipment suppliers seek and exploit market opportunities in the project areas	Number of equipment suppliers marketing in the target intervention areas	Number of equipment suppliers actively engaged in developing business in the target intervention areas.	Number of equipment suppliers operating in project areas	Number of suppliers involved in the MCC intervention areas	No material changes.
Equipment meeting needs of low-income households are available	Equipment available in the market meet the needs of low-income households	Availability of electrical equipment	Percent of rural population who know where to and have the ability to purchase electrical equipment that they demand	Satisfaction rate with acquired equipment*	Percentage of survey respondents stating that they are satisfied or very satisfied with acquired equipment	The outcome statement in the M&E plan is more appropriate. The satisfaction rate goes beyond just measuring the availability of equipment to also see if the equipment is properly meeting the needs of the intended beneficiaries.
Appropriate financial products are available	Adapted financial products are available to low-income households	Percent of financial institutions who offer new pro-poor financial products	Number of financial institutions participating in MCC-funded technical assistance who offer financial products adapted to the needs of the rural poor / Total number of financial institutions participating in MCC-funded technical number	Satisfaction rate with financial products*	Percentage of survey respondents stating that they are satisfied or very satisfied with financial products	The result has been modified to reflect both the financial institution and consumer perspectives.
	Financial institutions have an			Number of credits granted for access to equipment	Numbers of credits granted for access to equipment in	

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
	improved understanding of the needs of low-income households				MCC intervention areas	
Increased ownership of electrical appliances and equipment	Increased use of electrical equipment	Ownership of electrical appliances and equipment	Rural households with an electricity connection in the target intervention areas who own at least one electrical appliance	Electrical equipment uses	Number of households and businesses owning or renting at least one electrical appliance in the project's target departments / total number of households and businesses in these departments	The indicator replaces "ownership" with "use" because ownership is not the only way that households are able to access equipment. Community ownership and renting are also possible.
Output Indicators						
Distribution lines Constructed Increased coverage	Medium and low voltage lines built and transformers installed	Km distribution lines upgraded or built (P-10)	The sum of linear kilometers of new, reconstructed, rehabilitated, or upgraded distribution lines that have been energized, tested and commissioned with MCC support.	Kilometers of distribution lines upgraded or built (P-10)	The sum of linear kilometers of new, reconstructed, rehabilitated, or upgraded distribution lines that have been energized, tested and commissioned with MCC support.	"Transformers installed" is added to accurately reflect the infrastructure planned under the Supply-Side Activity. This was included in the Compact's Annex I but not Annex III.
				Transformers installed	Total number of transformers installed with MCC support	
Distribution lines are looped	-	Distribution lines looped	Kilometers of distribution lines looped with MCC assistance	-		This output is reflected by the "Kilometers of distribution lines reinforced" result.
Distribution lines are upgraded	Reinforced distribution lines	Circuit breakers added	Number of circuit breakers added to the distribution network in accordance with the contract's technical specifications	Remote-controlled recloser circuit breakers	The total number of remote-controlled recloser circuit breakers installed with MCC funding and receiving provisional	No material changes.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
					acceptance from MCA Senegal II	
		Switchgear added	Number of power switches added to the distribution network in accordance with the contract's technical specifications	Switches installed	Total number of switches installed with MCC support	No material changes.
		Installation of fault detectors	Number of fault detectors	Fault indicators with tele-indication	Total number of fault indicators with tele-indication installed with MCC funding and receiving provisional acceptance from MCA Senegal II	No material changes.
		Grid attachments added	Number of grid attachments installed in accordance with the contract's technical specifications	Attachments between radial lines sections	Total number of kilometers of attachments between radial line sections installed with MCC funding and receiving provisional acceptance from MCA Senegal II	No material changes.
Energy efficiency messages are delivered	Communication on energy efficiency	People reached by information and education campaign (energy efficiency)	TBD	Number of energy efficiency messages	Total number of messages delivered on energy efficiency	It is expected to be easier to obtain data for the M&E Plan's indicator. Knowing the number of people reached can be difficult depending on the communication medium.
Messages on understanding electricity bills are delivered	Communication on energy consumption and billing	People reached by information and education campaign (energy consumption)	TBD	Number of messages on energy consumption and its billing	Total number of messages broadcast at national level on energy consumption and its billing	It is expected to be easier to obtain data for the M&E Plan's indicator compared to Compact's. Knowing the number of people reached can be difficult depending on the communication medium.
Messages on the electricity connection	communications on the network connection process	People reached by information and education campaign	TBD	Number of messages on the connection process to the Senelec RI network	Total number of messages broadcast on the process of connecting to the Senelec RI network in the areas in	Same above

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
process delivered					MCC's areas of intervention	
-	Communication s ns on productive uses of electricity	-	-	Number of messages on the productive uses of electricity in MCC intervention areas.	The total number of messages broadcast on the productive uses of electricity in MCC's areas of intervention.	Indicators are added to reflect the new result. This result was included in the Compact logic diagram, but not in its indicator table.
				Number of entities benefiting from accompaniment activities and support for productive uses	Total number of entities benefiting from MCC-funded activities to develop the productive uses of electricity	
Capacity development for stakeholders	Capacity building of stakeholders in communication s (regional level)	Individuals participating in capacity development activities	Number of individuals attending at least one full day (or 8 hours) of a capacity development activity (training, workshop, or other)	Number of stakeholders strengthened in communication	Total number of stakeholders that have benefited from capacity building in communication with ACM support	The new result and indicator focus on communications, which is better aligned with the planned Activity.
Technical assistance provided to Senelec Regional Offices	Technical assistance provided to Senelec's regional offices and concessionaires	Individuals receiving technical assistance	Number of Senelec personnel receiving at least 20 hours of technical assistance	Number of times technical assistance is provided to Senelec regional offices and concessionaires	The number of times technical assistance is provided to Senelec regional offices and concessionaires in terms of capacity building and/or support missions	This activity targets Senelec as well as concessionaires
Senelec has an operational inventory management system	Inventory management system	Inventory management system established	TBD	Date of establishment of the inventory management system	Date of the establishment of the inventory management system	No material changes to this indicator
Assessment of Senelec Customer Service Directorate	Customer service evaluation is done	Date at which the Senelec customer service assessment is completed	The date at which MCA- Senegal II, MCC, and Senelec accept the final version of the consultant's assessment report	Customer Service Evaluation Date	Date on which the customer service assessment is completed	No material changes to this indicator
Assessment of	Inventory of electricians	Date at which the electrical technician assessment is	The date at which MCA-Senegal II, MCC, and Senelec	Date of completion of the inventory of electricians	The date at which MCA-Senegal II, MCC, and Senelec	No material changes to this indicator.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact indicator definition	M&E plan indicator	M&E Plan Indicator definition	Reason for change
electrical technicians capable of installing interior wiring and/or ready boards conducted	qualified to do interior wiring	completed	accept the final version of the consultant's assessment report	qualified to make the inside wire	accept the final version of the consultant's assessment report	Indicator or definition will be revised with the M&E Plan revision.
Electrical technicians Trained	Trained electricians	Trainings completed	Number of training modules completed at least 80%. If one individual completes five training courses, this would be counted as five trainings completed.	Number of electricians trained	This is the total number of electricians trained with MCC support	No material changes to this indicator
Assessment of service providers able to do feasibility/ design needed for customers >35/45m from grid	Inventory of service providers able to conduct a study for connecting households beyond 35 meters of the network	Date at which the electrical technician assessment is completed	The date at which MCA- Senegal II, MCC, and Senelec accept the final version of the consultant's assessment report	Date of realization of the state of the service providers able to make the study to connect households beyond 35 meters of the network	Date on which the inventory of service providers capable of doing the study to connect households beyond 35 meters of the network was carried out	No material changes to this indicator
Technical assistance to equipment suppliers provided	Technical assistance to equipment suppliers	Individuals receiving technical assistance	Number of personnel of equipment suppliers receiving at least 20 hours of technical assistance	Number of times technical assistance is provided to equipment suppliers	Total of times technical assistance is provided to equipment suppliers with MCC support	No material changes to this indicator
Technical assistance for financial institutions	Technical assistance to financial institutions	Individuals receiving technical assistance	Number of personnel of financial institutions receiving at least 20 hours of technical assistance	Number of times technical assistance is provided to financial institutions	Total number of times technical assistance is provided to financial institutions with MCC support	No material changes to this indicator

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
Outcome Indicators						
Increased and sustained value of electricity delivered to consumers	<i>Improved Customer Satisfaction</i>	(P-14) Cost reflective Tariff regime	Average tariff per kilowatt-hour / Long-run marginal cost per kilowatt-hour of electricity supplied to customers	<i>Customer satisfaction index*</i>	Percentage of survey respondents stating that they are satisfied or very satisfied with the quality of electricity they receive from their service provider	This goal-level result does not have an indicator in the M&E plan. However, the M&E plan has introduced a result on customer satisfaction, which will be measured over the course of the Compact. It will indicate the “value” that is delivered to customers.
Improved financial viability of electricity sector	Improved financial viability of operators OBJECTIVE-LEVEL	Quasi-fiscal deficit	Net revenue of an efficient utility minus cash collected by the utility in a year. See Trimble et al (2016) for full definition	-		Quasi-fiscal deficit has been replaced with other financial performance indicators that utilities routinely collect.
		Maximum Revenue Allowed (RMA)	See CRSE’s RMA formula in publicly available documents	Required revenue *	Maximum Authorized Revenue	This indicator is in the M&E plan as “income required”. No meaningful change in indicator.
		-	-	Net return on equity*	The profitability of the company (Senelec and concessionaires), translated in terms of net income, relative to its financial value. It is calculated by the following formula: Net Profit / Equity	Indicator is added to complete financial viability indicator
		(P-24) Operating cost recovery ratio	Total revenue collected (of Senelec and IPPs) / Total operating cost (of Senelec and IPPs). Total operating cost is defined as operating expenses plus depreciation.	(P-24) Operating cost recovery ratio	Total revenue collected / Total operating cost. Total operating cost is defined as operating expenses plus depreciation.	No change to indicator

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
		Operating cash flow ratio	Cash flow from operations / current liabilities of the utility	Operating cash flow ratio $\frac{\text{CF}}{\text{L}}$	The operator's ability to meet its short-term commitments. It is calculated by the following formula: Cash flow from operations (of Senelec and Concessionaires) / current liabilities of the utility (of Senelec and Concessionaires)	
Increased induced demand	Increase in induced demand	Electricity demand met	Electricity generated in Senegal + Electricity imported to Senegal – Non-distributed Energy	Rate of access to electricity	The population with effective access to electricity divided by the total population of the area.	The result and indicator are modified knowing that the demand induced by the project will be difficult to assess but will nevertheless contribute to improving the access rate.
Increased consumer Surplus*	-	Consumer surplus for quality electricity service	Non-weighted average of the willingness to pay in FCFA for one kWh of electricity of households and firms with and without electricity connections minus the cost-reflective tariff	-	-	The result is deleted but M&E will explore whether it is feasible for it to be measured by the independent evaluation. M&E also plans to measure the related concept of customer satisfaction.
Quality of supply meets demand	Increased reliability of electricity supply	Non-distributed energy	Estimate of how much electricity would have been distributed had there not been a service interruption caused by lack of generation, incidents, load shedding by HV customers, maintenance works, overloaded transformers or lines, and load shedding due to LV.	Total non-distributed energy on the network	Estimation of all non-distributed energy from service interruptions	No change to indicator
				Distribution system losses	$1 - [\text{Total megawatt hours billed} / \text{Total megawatt hours received from transmission}]$	Indicator is introduced for an additional measure of quality
Increased number of households and firms connected to the grid	-	(P-25) Percentage of households connected to the national grid	Number of households that have access to a legal connection to electricity service from an	-	-	This result is mainly due to the Access Project. Indicators are included in Access Project

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
			electrical utility or service provider / Total number of households in the country.			
Lowered contracted power pricing	Lowered contracted power pricing	Power price in Power Purchase Agreements	Sum of average price per kWh as determined in each PPA in effect divided by total number of PPAs in effect. The average price per kWh equals the price per kWh if the PPA has a flat rate. If the price varies over time, the average is computed based on the current year.	kWh price in Power Purchase Agreements	Sum of the average price per kWh determined in each PPA in force divided by Total Number of PPA in force. The average price per kWh is equal to the price per kWh if the PPA has a fixed rate. If the price varies over time, the average is calculated based on the current year.	No material change
More private sector participation in large procurements	-	Average number of companies competing on large procurements	Number of companies submitting bids for electricity sector procurements (>\$1 million) divided by number of procurements that are >\$1 million. Companies submitting bids on multiple procurements are counted multiple times.	-	-	Assessing private sector participation in generation (indicator below) is sufficient for this result
	More private sector participation in all segments KEY TARGETED RESULT	Private sector participation in electricity generation	Percentage of privately-owned installed generating capacity as percentage of all installed capacity in Senegal	Private sector participation in electricity generation	Electricity generation from privately-owned generation assets in one year divided by total generation	No change to indicator
	Increased private sector participation in rural electrification		Electricity generation from privately-owned generation assets in one year	Number of private firms in rural electrification*	Total number of private firms in rural electrification	No change to indicator

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
Optimized dispatching	Optimized dispatching	Share of least cost generation sources in total energy transmitted	Quantity of energy dispatched from the 50% least expensive generation units in a quarter / Total quantity of energy dispatched in a quarter	Least-cost generation*	Quantity of energy dispatched from the 10% least expensive generation units in a quarter / Total quantity of energy dispatched in a quarter	No material changes. The M&E plan focuses on the cheapest 10%, which allows us to observe more meaningful change as compared to the 50%.
Increased access facilitated for third parties	Third-party network access in effect	Number of third parties accessing network	Number of third-party access contracts fully executed per ECOWAS directives in a year	Third-party network access contracts*	The sum of network access contracts between third-party suppliers and the transmission system operator	The term “increased” is not appropriate since third-party network access is an innovation.
Long Term Strategy and Legal Framework in Effect	-	TBD	TBD	-	-	This result is replaced with more specific results related to the adoption of the electricity code and its implementation decrees, as well as the result on “Integrated investment planning”.
Improved and focused management for functional entities	Improved and focused management for functional entities	TBD	TBD	Overall performance*	It is a measure of the sustainability of the companies (Senelec and concessionaire), translated in terms of reported net income to their products. It is calculated by the following formula: Net income / Total general products	This indicator replaces a TBD in the M&E plan.
Increased transparency of	Increased transparency of	TBD	TBD	Cost transparency index*	Percentage of survey respondents stating that	This indicator replaces a TBD in the M&E plan.

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
costs for functional entities	functional entities' costs				functional entities' costs are transparent or very transparent	
Sustainable required revenue levels allowed to licensees	Adjusted cost of service	Adjusted cost of service	Required revenue	Income required *	Maximum Authorized Revenue	This result is deleted to retain 'adjusted cost of service' which is more appropriate. This change in result statement does not substantively alter the meaning of the result.
Increased timeliness of government payment for (collection of) accounts receivable	GoS compensation paid to Senelec in full and on time KEY TARGETED RESULT	Time for the Government to make payments to Senelec	TBD	GoS compensation timeliness	Number of days between CRSE's determination of the tariff ("gel du tarif") and the date when Senelec receives the Government compensation payments, including value-added tax (TVA)	This indicator replaces a TBD in the M&E plan.
Increased cash flow to utility	-	Utility's cash flow	Net amount of cash and cash-equivalent transferred into and out of Senelec in a quarter	Operating cash flow ratio	The operator's ability to meet its short-term commitments. It is calculated by the following formula: Cash flow from operations (of Senelec and Concessionaires) / current liabilities of the utility (of Senelec and Concessionaires)	This indicator was replaced with "Operating cash flow ratio", which is a commonly accepted financial indicator. It is linked to the results: "Improved financial viability of operators" and "Improved cost-recovery and sustainable cash flow of electricity sector companies"
Increased value from Investments	Increased in investments	TBD	TBD	Sector investment*	Total amount of investment	Indicator replaces a 'TBD' in Compact Annex III. There is no material change to the result statement.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
Increase in planned funds to address sector needs	Increase in planned funds to address sector needs	TBD	TBD	Planned funds to sector*	Amount of planned funds to sector in a year	Indicator replaces a 'TBD' in Compact Annex III.
Improved planning	Improved sector investment planning KEY TARGETED RESULT	TBD	TBD	Integrated Investment Planning Practices*	The average of scores in the "integrated investment planning assessment framework"	The new result statement is more specific but does not constitute a material change. The indicator replaces a 'TBD' in Compact Annex III.
Higher quality partners and services procured	-	TBD	TBD	-	-	This result is related to electrification plans which is a part of the "Integrated Investment Planning Practices*" index.
Funding needs better identified for realistic access rural electrification plans*	-	TBD	TBD	-	-	This result is related to electrification plans which is a part of the "Integrated Investment Planning Practices*" index.
Financial viability of rural on-grid and off-grid operators increased	Improved financial viability of operators OBJECTIVE-LEVEL	Cost-recovery ratio of rural on-grid and off-grid operators	Total revenue collected by all licensed rural electricity companies involved in rural retail /Total operating cost of those companies. Total operating cost is defined as operating expenses plus depreciation.	Operating cost recovery Ratio	Total revenue collected / Total operating cost. Total operating cost is defined as operating expenses plus depreciation.	There is no material change to this indicator. Its definition includes Senelec and rural concessionaires.
Capable private sector operators for rural distribution procured	-	TBD	TBD	-	-	Result will not be measured since it is related to private participation in distribution which is planned as part of the affermage (2028) that will take place beyond the evaluation period.

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
Reduced burden on public finances	Reduced burden on public finances	TBD	TBD	Number of sovereign guarantees	Annual statement of sovereign guarantees signed by the State for Senelec	This indicator replaces a ‘TBD’ in Compact Annex III. It is directly related to the result.
Reduced burden on public finances	Reduced burden on public finances	TBD	TBD	Average volume sovereign guarantees	Amount Annual sovereign guarantees signed by the State for Senelec / Total Number of sovereign guarantees in the year	This indicator replaces a ‘TBD’ in Compact Annex III. It is directly related to the result.
Sustainable required revenue levels allowed to licensees	-	TBD	TBD	-	-	This result is deleted because it is not meaningfully different than the “Adjusted cost of service” result
Increased protection of consumer rights with respect to the price, supply and quality of electrical energy*	-	TBD	TBD	-	-	This Annex III result is multi-faceted. It has been replaced with more specific results related to regulatory governance and substance, including “Regulator fulfills its mandate” and “Regulatory governance index”
Increased promotion of the rational development of the supply of electricity*	-	TBD	TBD	-	-	This result was replaced with more measurable ones such as “regulatory governance improved”, which is measured through the regulatory governance index.
Tariff Plan Developed and Adopted	Tariff Plan Developed and Adopted	(P-14) Cost reflective tariff regime	Average tariff per kilowatt-hour / Long-run marginal cost per kilowatt-hour of electricity supplied to customers.	Tariff plan adoption	Date at which the tariff plan is developed and adopted	“(P-14) Cost reflective tariff regime” is related to “Improved economic viability of the power sector”. Otherwise, the indicator is due

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
Sector Stakeholders Engaged and Sensitized on Updated Regulations and Policy	Sector Stakeholders Engaged and Sensitized on Updated Regulations and Policy	Sector stakeholder understanding of new sector policies and regulations	Percentage of sector stakeholders who respond correctly to at least 75% of survey questions on new regulations and policies	Sector stakeholder understanding of new sector policies and regulations	Percentage of sector stakeholders who respond correctly to at least 75% of survey questions on new regulations and policies	No change to indicator
Tariff Methodology Decision(s) Transmitted	Tariff Plan Developed and Adopted	Adoption of tariff plan	Date at which the tariff plan is developed and adopted	Tariff plan adoption	Date at which the tariff plan is developed and adopted	No material change
Integrated Investment Planning Framework Decision(s) by Regulator Transmitted	Integrated Investment Plan Framework Adopted	Adoption of integrated investment planning framework	Date at which integrated investment plan framework and related processes adopted by regulatory decision	Adoption of an integrated investment plan framework	Date the integrated investment plan framework is adopted and approved by the Ministry.	No material change
IPP Procurement Framework Decision(s) by Regulator Transmitted	IPP/PSP Procurement Framework Developed	IPP Procurement Framework Decision(s) by Regulator Transmitted	Date at which IPP Procurement Framework Decision(s) by Regulator Transmitted	IPP solicitation framework	Date at which the IPP/PSP procurement framework is formally validated by the Government of Senegal	No material change
Third Party Access Contracts and Documents Drafted	Third Party Access Contracts and Documents Drafted	Third Party Access Contracts and Documents Drafted	Date at which Third Party Access Contracts and Documents Drafted	Third Party Access Contracts and Documents Drafted	Date at which Third Party Access Contracts and Documents Drafted	No change to indicator

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
New TSO Interface Contracts and Specific Pricing Developed	Transmission System Operator (TSO) Created and Operationalized	New TSO Interface Contracts and Specific Pricing Developed	Date at which new TSO Interface Contracts and Specific Pricing Developed	TSO Operational	Date at which the TSO has an allocated budget	No material change
Regulations and policy incentivize operational efficiency	-	TBD	TBD	Regulatory substance index	TBD	This result is in the Compact Annex III indicator table, but not in the logic diagram. In the M&E plan, it is reflected in the “regulatory substance improved” result.
Regulations and policy incentivize capital efficiency	-	TBD	TBD	Regulatory substance index	TBD	This result is in the Compact Annex III indicator table, but not in the logic diagram. In the M&E plan, it is reflected in the “regulatory substance improved” result.
Regulations and policy incentivize private sector participation	-	TBD	TBD	Regulatory substance index	TBD	This result is in the Compact Annex III indicator table, but not in the logic diagram. In the M&E plan, it is reflected in the “regulatory substance improved” result.
Regulations and policy incentivize operational performance	-	TBD	TBD	Regulatory substance index	TBD	This result is in the Compact Annex III indicator table, but not in the logic diagram. In the M&E plan, it is reflected in the “regulatory substance improved” result.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
Sustainable required revenue levels allow sufficient cash flow	Adjusted cost of service	TBD	TBD	Required revenue	Maximum Authorized Revenue	This result is in the Compact Annex III indicator table, but not in the logic diagram. In the M&E plan, it is results on “adjusted cost of service”
	Improved financial viability of operators			Operating cash flow ratio	The operator's ability to meet its short-term commitments. It is calculated by the following formula: Cash flow from operations (of Senelec and Concessionaires) / current liabilities of the utility (of Senelec and Concessionaires)	This result is in the Compact Annex III indicator table, but not in the logic diagram. In the M&E plan, it is results on “Improved financial viability of operators
New applied tariff allows for sustainable funding of revenue	Adjusted cost of service	TBD	TBD	Required revenue	Maximum Authorized Revenue	This result is in the Compact Annex III indicator table, but not in the logic diagram. In the M&E plan, it is results on “adjusted cost of service”
	Improved financial viability of operators			Operating cash flow ratio	The operator's ability to meet its short-term commitments. It is calculated by the following formula: Cash flow from operations (of Senelec and Concessionaires) / current liabilities of the utility (of Senelec	This result is in the Compact Annex III indicator table, but not in the logic diagram. In the M&E plan, it is results on “Improved financial viability of operators

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
					and Concessionaires)	
Regulations and policy incentivize new connections	-	TBD	TBD	-Required revenue - Operating cash flow ratio		This result is in the Compact Annex III indicator table, but not in the logic diagram. In the M&E plan, it is results on “adjusted cost of service” and “Improved financial viability of operators”
Regulations and policy incentivize demand efficiency	-	TBD	TBD	-Required revenue - Operating cash flow ratio		This result is in the Compact Annex III indicator table, but not in the logic diagram. In the M&E plan, it is results on “adjusted cost of service” and “Improved financial viability of operators”
Improved continuity of service	Increased reliability of electricity supply	(P-21) System Average Interruption Duration Index (SAIDI)	Sum of durations, in customer hours, of all customer interruptions in a quarter / Total number of customers connected to network in the same quarter.	Total non-distributed energy on the network	Estimation of all non-distributed energy from service interruptions	The Compact and M&E plan indicators are not significantly different. The M&E plan indicator is already accessible from Senelec for the entire network. The Transmission Project includes alternate indicators to assess electricity service quality.
		(P-22) System Average Interruption Frequency Index (SAIFI)	Sum of customer-interruptions in a quarter / Total number of customers connected to network in the same quarter.	Distribution system losses	1 – [Total megawatt hours billed / Total megawatt hours received from transmission]	

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
Reduced commercial losses	Improved utility performance on select KPIs	(P-20) Commercial losses	Total distribution system losses minus distribution technical losses	TBD	TBD	The result has changed to reflect uncertainty in the definition of Senelec KPIs under the utility incentive program. An indicator will be defined when those KPIs are determined.
Reduced transmission-level technical losses	Reduced technical losses due to poorly maintained network	(P-18) Transmission system technical losses	1 - [Total megawatt hours transmitted out from transmission substations / Total megawatt hours received from generation to transmission substations]	Technical losses due to poorly maintained network	TBD	This result is in the Compact Annex III indicator table, but not in the logic diagram. The M&E plan result and indicator are more clearly linked to the network management sub-activity. The indicator definition is still TBD.
Improved competencies of Senelec personnel (DTAE, DAPA, DSI, DFC, DAICG, CFPP)	The staff of the future transmission system operator is trained and equipped	TBD	TBD	Number of employees trained in the computerized maintenance management system (CMMS)	The sum of Senelec employees who attended at least one training course on the CMMS	The result and indicator are revised to more accurately reflect the training that the project is currently planning.
Improved maintenance practices through use of unmanned aerial vehicles (UAV)	Improved planning for maintenance and transmission network expansion	TBD	TBD	Number of malfunctions on HTA lines per 100 km of HTA lines	Number of malfunctions on HTA lines per 100 km of HTA lines	This result is neither in the logic diagram of the Compact nor in that of the M&E plan. The M&E plan introduces a result related to maintenance practices and adopts this indicator, which Senelec currently reports on.
Improved capacity of Senelec to asset management,	Improved management of network assets	TBD	TBD	P13 Maintenance expenditure-asset value ratio	Actual maintenance expenditures / Total	This indicator was included in the Compact for the result on "improved maintenance". There is also a result on staff

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
accounting, and financial management	KEY TARGETED RESULT				value of fixed assets.	being trained and equipped. See above.
	Increased capacity in financial management	TBD	TBD	Senelec skills of staff in financial management*	The indicator is estimated by the proportion (%) of Senelec staff members who have very good or good competency in financial management skills	Indicator added to replace TBD in Compact.
-	Reduced cost of service	-	-	Average Cost per kWh	The cost of the kWh weighted average of the energy transmitted across the interconnected network	These results are expected from the Reform Project. They are not in the logic Compact
-	GoS obligations to Senelec decreased	TBD	TBD	GoS obligations to Senelec	The outstanding balance of amounts due to Senelec for electricity bills and compensation in accordance with the Sector Repayment Plan and Tariff Plan	The M&E plan added this result and indicator, which are closely linked to the “reduced burden on public finances” result included above.
Lower contracted power pricing	Reduced cost of electricity for eligible clients	Power price in Power Purchase Agreements	Sum of average price per kWh as determined in each PPA in effect divided by total number of PPAs in effect. The average price per kWh equals the price per kWh if the PPA has a flat rate.	Power price in third-party access purchase agreements*	Percentage difference between the average kWh price the buyers of the purchase agreements (TSO or other clients) paid	The M&E plan includes this indicator to differentiate prices in PPAs in general and those in the third-party access agreements specifically.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
			If the price varies over time, the average is computed based on the current year.		prior to third-party network access and the average price per kWh in all active third-party access power purchase agreements.	
-	Increased capacity in business plan development, environmental compliance, and the roll-out of single-phase technology and smart metering to support tariff harmonization	-	-	Numbers of business plan developed	Number of business plans developed with the assistance of MCC	This result was added to the project logic in the M&E plan to reflect the project description included in Compact Annex I, but that was not in Annex III.
Guichet Unique Operationalized	Increased number of approved projects	Guichet Unique Operationalized	Date at which the Guichet Unique is staffed at least 75% and has a budget to operate	Number of approved projects*	Total number of approved projects in a year	This result reflects the effectiveness of the guichet unique. M&E considered this a more direct approach to measuring the result.
-	Increased cash flow for public rural investments	-	-	Cash flow for public rural investments*	Total amount of public investment for rural electrification	This result was added to reflect what is expected following the reduced burden on public finances.
-	Regulatory governance Improved KEY TARGETED RESULT	-	-	Regulatory governance index	TBD	The M&E plan includes this index to capture many of the qualitative concepts that are a part of regulatory governance.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
-	Regulatory powers expanded	-	-	Regulator law and electricity code adopted	Date at which the electricity code and regulator law are adopted	M&E introduced this index to capture the project's efforts to strengthen the regulator's role in integrated investment planning, hydrocarbon sub-sector, power purchase agreements, and tariff determination.
				Regulatory power index*	It is a composite measure related to the expanded authorities of the regulator in the areas of integrated investment planning, hydrocarbon sub-sector, power purchase agreements, and tariff determination.	
-	Regulator's independence strengthened	-	-	Electricity regulatory index (Independence)*	The AfDB ERI defines independence as "Institutional, financial and operational autonomy amongst political authorities, stakeholders and regulators". It is calculated from four sub-indicators: independence from the powers of the executive and legislative, independent from the stakeholders and market participants, decisional independence, and financial and	This indicator was introduced to reflect a key feature of regulatory strengthening.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
					budgetary independence.	
-	Credibility, transparency, and predictability of regulator regulator's decisions improved	-	-	Transparency and predictability of decisions	The average of the indicator scores for "transparency of decisions" and "predictability" included in the African Development Bank's Electricity Regulatory Index (ERI). The sub-indicators and methodological details are in the ERI report.	This indicator was introduced to reflect a key feature of regulatory strengthening.
-	Regulator's human, technical, and financial capacity increased	-	-	TBD	TBD	Result added as part of more detailed project logics developed by the Reform Project team.
-	Improved understanding of regulation's purpose and objectives	-	-	Customer and sector actors understanding of regulation's purpose and objectives*	Percentage of survey respondents stating that they are good or very good understanding of regulation's purpose and objectives	Result added as part of more detailed project logics developed by the Reform Project team.
-	Improved understanding of regulatory decisions	-	-	Customer understanding of regulation decisions*	Percentage of survey respondents stating that they have a good or very good understanding of regulatory decisions	Result added as part of more detailed project logics developed by the Reform Project team.

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
-	Regulatory substance improved KEY TARGETED RESULT	-	-	Regulatory Substance Index*	TBD	Result added to summarize other results related to regulatory substance.
-	Improved quality of data available to CRSE to measure performance	-	-	Quality data provided by the operators to CRSE*	Percentage of CRSE technical staff who state that the quality of data they receive from operators is good or very good.	Result added as part of more detailed project logics developed by the Reform Project team.
-	Improved cost control and financial projections	-	-	Budget execution rate	[The sum of expenditures / The sum of projected expenditures] x 100.	Result added as part of more detailed project logics developed by the Reform Project team.
-	Drivers of weak performance identified	-	-	Date of identification of poor performance drivers	Date at which the consultant report on poor performance is accepted	Result added as part of more detailed project logics developed by the Reform Project team. This result is included in the evaluation section of Compact Annex III and M&E plan.
-	Resolutions to weak performance proposed to Utility Director General	-	-	Transmission date of poor performance recommendations to the Senelec Director General	Date at which the recommendations are transmitted to the Senelec Director General	Result added as part of more detailed project logics developed by the Reform Project team.
-		-	-	Efficient GIS	TBD	This result was added to summarize the outcome of the planned upgrade to the

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
Financial Viability Analyses Recommendations Transmitted and Adopted	-	Government adoption of financial viability analyses recommendations	Date at which the financial viability analyses or formally adopted by the Government of Senegal	-	NA	This process result was completed before the Compact's entry into force. It is included in the M&E plan's sub-activity logics, but not in the indicator table.
Operational and financial restructuring of SENELEC	Senelec's functional unbundling completed	Senelec restructuring	Date at which Senelec is unbundled into public subsidiary under a public holding company	Date of preparation of the financial statements by the various subsidiaries	Date at which the first financial statements of the subsidiaries are prepared	Since the financial separation is planned before the functional separation, the result is split into two indicators
				Date of completion of the unbundling	Date at which the legal acts allowing utility unbundling with the public subsidiaries being under of a holding company	
Roadmap and Action Plan Adopted	-	Roadmap and Action Plan Adopted	Date at which the roadmap and action plan are formally adopted by the Government of Senegal	-	NA	This process result was completed before the Compact's entry into force. It is included in the M&E plan's sub-activity logics, but not in the indicator table.
Electricity Code Enacted	Electricity code and decrees adopted	Electricity Code Enacted	Date at which the electricity code is formally adopted by the Government of Senegal	Date of promulgation of the Electricity Code	Date decree on the electrical code is published in the official journal	There is no material change to this indicator.
Transmission System Operator (TSO) Created and Operationalized	Transmission System Operator (TSO) Created and Operationalized	TSO Operational	Date at which the TSO is staffed at least 75% and has an allocated budget	TSO Operational	Date at which the TSO has an allocated budget	Indicator definition changed, but not in materially.
Regulatory and legal framework and implementing decrees are validated	Electricity code and decrees adopted	Regulatory and legal framework and implementing decrees validated	Regulatory and legal framework supporting the 2035 vision (including electricity code) and implementing decrees are validated	Date of promulgation of the Electricity Code	Date decree on the electrical code is published in the official journal	"Electricity code and decrees adopted" is related to "regulatory and legal framework and implementing decrees validation"
	Application texts adopted			Date of adoption of application texts	Date decree on application texts is published in the official journal	
Affermage Transition Plan Developed	Affermage Transition Plan Developed	Plan to support transition from concessionaires to affermages	Date at which Affermage Transition Plan is developed and adopted	Affermage Transition Plan	Date at which affermage transition plan developed and adopted	There is no material change to this indicator.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
		developed and adopted				
Training and Support Program for ASER Completed	Training and Support Program for ASER Completed	Training and Capacity development support provided	Number of ASER staff participating in a full training course or module funded by MCC	Number of people trained in preparation of business plans	Number of ASER workers, rural operators, specifically operators of off grid trained in developing business plans with the assistance of MCC	The indicator name and definition are changed to specifically refer to the nature of the training.
Customs/VAT Exemption Provisions Approved	-	Ministry of Economy, Finance and Planning approves customs and VAT exemptions	Date at which the Ministry of Economy, Finance and Planning approves customs and VAT exemptions for off-grid asset/equipment sales deemed satisfactory by MCA Senegal II, MCC, and the relevant implementing entities and consultants	-	NA	The Reform Project no longer expects to cover customs/VAT exemption.
MPE Capacity Building Plan for Integrated Planning Developed	MPE Capacity Building Plan for Integrated Planning Developed	MPE Capacity Building Plan developed	Date at which the MPE Capacity Building Plan receives formal acceptance from MCC, MCA, Senegal II and MPE	MPE capacity building plan for integrated planning developed	Date at which the MPE Capacity Building Plan receives formal acceptance from MCC, MCA, Senegal II and MPE	An indicator is added
				MPE staff trained in integrated planning	Number of MPE's people trained in developing Integrated Planning with the assistance of MCC	
Integrated Investment Plan Framework Adopted	Adoption of an integrated investment plan framework	Integrated sector investment planning framework	Date at which the integrated sector investment planning framework is formally adopted by the Government of Senegal	Adoption of an integrated investment plan framework	Date the integrated investment plan framework is adopted and approved by the Ministry	There is no material change to this indicator.
Integrated Sector Planning Process	-	Integrated Sector Planning Process (Annual)	Date(s) at which sector planning assessment report is completed	-	NA	Taking account indicator definition, this result is not applicable since before there

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
(Annual) Completed		Completed				are not an integrated investment plan
Guichet Unique Operationalized	One-stop-shop (“Guichet Unique”) established	Guichet Unique Operationalized	Date at which the Guichet Unique is staffed at least 75% and has a budget to operate	One-stop-shop established	The date at which an online guichet unique, serving as a “one-stop shop”, for existing and new private companies seeking to invest in the sector is functional	The result and indicator change from “operationalized” to “established”, because this an output-level result. The outcome-level result is “Increased number of approved projects” included further above.
IPP/PSP Procurement Framework Developed	IPP/PSP Procurement Framework Developed	IPP/PSP Procurement Framework Developed	Date at which the IPP/PSP Procurement Framework is formally validated by the Government of Senegal	IPP solicitation framework	Date at which the IPP/PSP procurement framework is formally validated by the Government of Senegal	There is no material change to this indicator.
Ancillary Services Recommendations and Plan Adopted	Ancillary Services Recommendations and Plan Adopted	Ancillary Services Recommendations and Plan Adopted	Date at which the Ancillary Services Recommendations and Plan is formally adopted by the Government of Senegal	Ancillary services plan	Date at which the ancillary services recommendations and plan is formally adopted by the Government of Senegal	There is no material change to this indicator.
Market Opening Transition Plan Developed	Market Opening Transition Plan Developed	Market Opening Transition Plan Developed	Date at which the Market Opening Transition Plan is formally adopted by the Government of Senegal	Market Opening Transition Plan	Dates on which the market opening transition plan is developed	There is no material change to this indicator.
Tariff Reform Study Completed	Tariff reform study completed	Tariff Reform Study Completed	Date at which Tariff Reform Study is formally accepted by MCA Senegal II	Tariff study completion	Date at which all deliverables from the Cost of Service and Tariff Methodology Study are accepted by MCA Senegal II	There is no material change to this indicator.
Regulations Supporting Cost, Quality, and Access Goals Reinforced and Developed	-	TBD	TBD	-	NA	This result is neither in the logic diagram of the Compact nor in that of the M&E plan

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
New organizational structure for CRSE Developed and Approved	New organizational structured for CRSE Developed and Approved	New organizational framework for CRSE	Date at which CRSE adopts a new organizational framework in line with its strategic objectives developed with MCC assistance	New organizational framework for CRSE	Date at which CRSE adopts a new organizational framework in line with its strategic objectives developed with MCC assistance	There is no material change to this indicator.
CRSE career development plan completed	CRSE career development plan developed	CRSE staff development plan completed	Date at which CRSE adopts a staff development plan developed with MCC assistance	CRSE staff development plan completed	Date at which CRSE adopts a staff development plan developed with MCC assistance	There is no material change to this indicator.
New Salary Recommendations Proposed and Made Policy	New Salary Recommendations Proposed and Made Policy	Adoption of new salary structure	Date at which CRSE formally adopts a new salary structure developed with MCC assistance	Salary study	Date at which a study comparing CRSE staff salaries with individuals in similar sectors and competencies is completed and accepted by MCA Senegal II	The revised indicator focuses on the issuance of recommendations rather than their implementation.
Training provided	-	Number of CRSE staff trained	Number of CRSE staff participating in a full training course or module funded by MCC	-	NA	These Compact Annex III indicators were not included in the M&E plan but will be incorporated in future revisions. There is training planned in some activities such as the grid audit.
Technical assistance provided	-	Technical assistance provided	Number of individuals benefiting from at least 40 hours of technical assistance	NA	NA	These Compact Annex III indicators were not included in the M&E plan, but will be incorporated in future revisions
New Recruits Hired	New recruits hired	Number of new technical staff members hired	Number of new technical staff members hired by CRSE with MCC technical and financial assistance	New CRSE staff hired	Total number of new recruitments	There is no material change to this indicator.
Financial Autonomy Plan Adopted	Financial autonomy study completed	Financial Autonomy Plan Adopted	Date at which Financial Autonomy Plan Adopted by Parliament and the MPE	Financial autonomy study	Date at which the financial autonomy study is accepted by MCA Senegal II	Financial autonomy plan adoption will be included, if relevant, to the M&E Plan revision.

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Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
Communications Plan Implemented	CRSE communications plan developed	Communications Plan Implemented	Date at which CRSE communications staff are actively working on tasks directly related to the communications plan	CRSE communications Plan	Date at which CRSE formally adopts the communication plan prepared with MCC support	- Implemented communication Plan will be included in M&E Plan revision
Grid Audit and Licensee Conformity Assessment Completed	Grid audit completed	TBD	Date at which Grid Audit Completed	Date of completion of grid audit	Date at which the grid audit study is completed	There is no material change to this indicator.
Regulatory Enforcement Organizational Development and Empowerment Strategy Developed		Regulatory Enforcement Organizational Development and Empowerment Strategy Developed	TBD	-	NA	This result is already captured by “new organizational framework for CRSE”
Decentralized organizational structure of Senelec’s Transmission and Energy Purchases Directorate (DTAE) is adopted	-	Senelec’s adoption of DTAE’s new decentralized organizational structure	Date at which a new decentralized organizational structure of DTAE is approved by the Senelec Board of Directors	-	NA	This result is already captured by the results on Senelec unbundling.
Technical assistance is provided	Training and technical assistance to the Utility’s Internal Audit Department	Number of individuals benefiting from technical assistance	Number of individuals benefiting from at least 20 hours of technical assistance aimed at improving Senelec’s capacity to manage the transmission network	Senelec audit staff training	Number of Senelec agents who received training or technical assistance	There is no material change to this indicator. Future M&E plan revisions may update indicators on staff trained to reflect all training courses provided.
Software to forecast intermittent energy production is in operation	-	Forecasting software is in operation	Date at which the software forecasting intermittent energy production is in operation	-	NA	This result is neither in the logic diagram of the Compact nor in that of the M&E plan. The result will be defined with Senelec capacity development plan.
The computerized maintenance management system (CMMS) is extended	The staff of the future transmission system operator is trained and equipped	TBD	TBD	Date of completion of the extension of the CMMS	Date of completion of the extension of the CMMS mobile applications for field technicians is made	This result may be further defined after the Senelec CMMS activity is further designed.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
to mobile applications for field technicians						
Unmanned aerial vehicle provided to better assess maintenance needs	-	Use of unmanned aerial vehicles to visit lines	Date on which the UAV is procured by Senelec with MCC assistance	-	NA	This result was not included in the M&E plan since the with Senelec CMMS activity is not fully designed yet.
Security procedures are updated	-	Updated security procedures	Date on which the DTAE's security procedures are updated based on MCC's technical assistance	-	NA	This result is neither in the logic diagram of the Compact nor in that of the M&E plan
Trainings provided	-	Number of DTAE staff trained	Number of Senelec staff participating in a full training course or module provided through MCC assistance	-	NA	See comment related to "Technical assistance is provided"
Senelec staff participate in technical conferences and works	The staff of the future transmission system operator is trained and equipped	Number of Senelec staff participating in technical conferences and workshops	Number of Senelec staff participating in technical conferences and workshops	Number of employees trained in the computerized maintenance management system (CMMS)	The sum of Senelec employees who attended at least one training course on the CMMS	See comment related to "Technical assistance is provided"
				Date of completion of the extension of the CMMS	Date of completion of the extension of the CMMS mobile applications for field technicians is made	
	Improved management of network assets			Number of Senelec agents trained in managing the assets of the MV network / BT	The sum of all qualified Senelec agents in managing the assets of the MV network / BT after a capacity building with assistance of MCC.	
Improved maintenance	-	(P-13) Maintenance expenditure-asset value ratio	Actual maintenance expenditures / Total value of fixed assets	-	Actual maintenance expenditures / Total value of fixed assets.	Indicator is reported like an outcome

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
Software licenses needed to manage MV network database are acquired	The MV network GIS is functional	Improved GIS capability	Total number of individual software licenses acquired (software includes ESRI, ARCGIS, ETL, and FME)	Functional GIS of MV/LV network	Date at which a consultant confirms the MV network GIS is functional. This includes the establishment of a database, provision of training, acquisition of material, and imaging performed	The M&E Plan outcome result is more comprehensive and should include all necessary tools for operating the GIS.
Database of MV network is completed	GIS is operational	Completeness of MV network database	Kilometers of MV lines in the data base / Total kilometers of MV lines	GIS completeness	Percentage of network assets included in Senelec's GIS database	The indicator definition has changed to include all network assets instead of MV lines only.
Analytica accounting and budget management based on Activity-based costing (ABC) method is adopted	-	Analytical accounting and budget management adopted	Date at which Senelec adopts the ABC method of analytical counting and budget management	-	NA	These results are neither in the logic diagram of the Compact nor in that of the M&E plan.
Audit of Oracle applications completed	-	Audit of Oracle applications	Date at which the final report of the Oracle application audit is approved by MCA-Senegal II	-	NA	These results are neither in the logic diagram of the Compact nor in that of the M&E plan.
Equipment provided to the logistical unit of the Directorate of Asset and Procurement Management (DAPA), Directorate of Information Services (DSI), and Directorate for Financial Accounting (DFC)	-	Equipment provided	Dollar value of equipment provided with MCC assistance	-	NA	These results are neither in the logic diagram of the Compact nor in that of the M&E plan.

Annex III Compact Result	M&E plan result	Annex III Compact Indicator	Annex III Compact definition indicator	M&E plan indicator	M&E plan definition indicator	Reason for change
-	Sector reimbursement plan adopted	-	-	Sector reimbursement plan adoption	Date at which the Ministry of Finance and Budget issues an official letter to MCA confirming its adoption of the reimbursement plan	This result is added because it is an important process milestone linked to a condition precedent
-	Electricity sector investor guide developed	-	-	Date of preparation of the investor's guide to the electricity sector	Date at which the electricity sector investor guide is developed	This result was included in the M&E plan's sub-activity logics.
-	Law on the regulator passed	-	-	Date of promulgation of the law on the regulator	Date decree on the law on the regulator is published in the official journal	This result was included in the M&E plan's sub-activity logics.
-	Geo-spatial mapping of the network is completed	-	-	Geo-spatial mapping of the network	Date geo-spatial mapping of the network is fully realized	This result was included in the M&E plan's sub-activity logics.
-	Improved economic dispatching model	-	-	Setup of new dispatching model	Date at which all software and tools for the new dispatch model are established and functional	This result was included in the M&E plan's sub-activity logics.
-	Energy sector development policy letter (LPDSE) 2024-2029 developed	-	-	LPDSE 2024-2029	Date the 2024-2029 LPDSE is developed	This result was included in the M&E plan's sub-activity logics.