



**Monitoring and Evaluation Plan  
of the Niger Compact between  
the United States of America, acting through the  
Millennium Challenge Corporation and the  
Republic of Niger**

**January 2022**

**Version 3**

## TABLE OF CONTENTS

Preamble.....	4
List of Acronyms.....	5
Compact and Objective Overview .....	7
Introduction.....	7
Program Logic.....	7
Compact Background.....	7
Compact Logic.....	8
Project Description and Logic.....	8
Irrigation and Market Access Project Description and Logic .....	8
Climate-Resilient Communities Project Description and Logic.....	21
Projected Economic Benefits.....	30
Irrigation and Market Access Project ERR.....	30
Roads for Market Access Activity ERR.....	31
Regional Sahel Pastoralism Support Activity ERR.....	32
Climate-Resilient Agriculture Activity ERR.....	33
Irrigation and Market Access Beneficiary Analysis .....	37
Climate-Resilient Communities Beneficiary Analysis.....	38
Monitoring Component.....	388
Summary of Monitoring Strategy.....	389
Data Disaggregation .....	399
Data Sources .....	40
Data Quality Reviews (DQRs).....	40
M&E Capacity Program.....	40
Standard Reporting Requirements.....	41
Reporting to MCC: Quarterly Disbursement Request Package (QDRP).....	41
Reporting to MCA and Local Stakeholders.....	41
MCA-N Board Coordination Meetings.....	41
Evaluation Component .....	41
Summary of Evaluation Strategy .....	42
Independent Evaluations.....	42
Self-Evaluation.....	42
Special Studies.....	42
Specific Evaluation Plans .....	42
Irrigation and Market Access Evaluation.....	43
Research Questions.....	43
Evaluation Methodology Description.....	49

Data Sources.....	50
Roads for Market Access Evaluation.....	51
Evaluation Questions.....	51
Evaluation Methodology Description.....	52
Data Sources.....	52
Regional Sahel Pastoralism Support Evaluation.....	554
Evaluation Questions.....	54
Evaluation Methodology Description.....	60
Data Sources.....	60
Climate-Resilient Agriculture Evaluation.....	61
Evaluation Questions.....	61
Evaluation Methodology Description.....	64
Data Sources.....	64
Implementation and Management of M&E.....	66
Responsibilities.....	66
MCA-N M&E Unit.....	66
Monitoring and Evaluation (M&E) Director.....	68
Monitoring and Evaluation Officers.....	68
Economist.....	68
Coordination.....	68
MCA-N Data Management System for Monitoring and Evaluation.....	68
Review and Revision of the M&E Plan.....	68
Timing and Frequency of Reviews and Modifications.....	69
Documenting Modifications.....	69
Approval and Peer Review of M&E Plan Modifications.....	69
M&E Budget.....	70
<b>ANNEX I: INDICATOR DOCUMENTATION TABLE.....</b>	<b>71</b>
<b>ANNEX II: TABLE OF INDICATOR BASELINES AND TARGETS.....</b>	<b>120</b>
<b>ANNEX III: M&amp;E PLAN MODIFICATIONS.....</b>	<b>178</b>
<b>ANNEX IV: EVALUATION INDICATORS.....</b>	<b>269</b>
<b>ANNEX V: NIGER COMPACT-WIDE LOGIC.....</b>	<b>271</b>
<b>ANNEX VI: COMPACT STRUCTURE.....</b>	<b>272</b>
<b>ANNEX VII: CRC ELIGIBLE COMMUNES.....</b>	<b>273</b>

## PREAMBLE

This Monitoring and Evaluation (M&E) Plan:

- is part of the action plan set out in the MILLENNIUM CHALLENGE COMPACT (Compact) signed on July 29, 2016 between the United States of America, acting through the Millennium Challenge Corporation, a United States Government corporation (MCC), and the Republic of Niger acting through its government;
- will support provisions described in the Compact; and
- is governed by and follows 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

AADT	Annual Average Daily Traffic
AE	Auxiliaries d’Elevage
AVA/PR	Animatrices Villageoises en Agriculture et en Elevage de Petits Ruminants
BDS	Business Development Services
CAIMA	Centralized Supply Center for Agricultural Inputs and Materials ( <i>Centrale d’Approvisionnement en Intrants et Matériels Agricoles</i> )
CAPEX	Capital Expenditure
CBPP	Contagious Bovine Pleuropneumonia
CCR	Compact Completion Report
COFOCOM	Communal Land Commissions ( <i>Commissions Foncières Communes</i> )
COTEN	Technical Committee for Fertilizers of Niger ( <i>Comité Technique des Engrais au Niger</i> )
CRA	Climate-Resilient Agriculture
CRC	Climate-Resilient Communities
DQR	Data Quality Review
ERR	Economic Rate of Return
ESP	Environmental and Social Performance
FER	Fonds d’Entretien Routier
GENiS	Gestion et d’Entretien par Niveaux de Service
GoN	Government of the Republic of Niger
GSI	Gender and Social Inclusion
HDM-4	Highway Development and Maintenance Management System
ICRIP	Integrated Climate-Resilient Investment Plan
IFPRI	International Food Policy Research Institute
IMAP	Irrigation Market Access Project
ITT	Indicator Tracking Table
iWUA	Irrigation Water User Association
MAGEL	Ministry of Agriculture and Livestock
M&E	Monitoring and Evaluation
MCA	Millennium Challenge Account
MCA-N	Millennium Challenge Account Niger
MCC	Millennium Challenge Corporation
MCC MIS	MCC Management Information System
NGO	Non-Governmental Organization
NPV	Net Present Value
OIE	World Organization for Animal Health
OMEN	Observatory of the Fertilizer Market in Niger ( <i>Observatoire du Marché des Engrais au Niger</i> )
ONAHA	National Office for Irrigation Schemes ( <i>Office National des Aménagements Hydro Agricoles</i> )
OPHI	Oxford Poverty and Human Development Initiative
OPEX	Operating Expenditure
PASEC	Project d’Appui à l’Agriculture Sensible aux Risques Climatiques
POC	Point of Contact

PPCB	Contagious bovine pleuropneumonia ( <i>Péripneumonie contagieuse bovine</i> )
PPR	Peste des Petits Ruminants
PRAPS	Regional Sahel Pastoralism Support Activity ( <i>Projet Régional d'Appui au Pastoralisme au Sahel/Niger</i> )
PSP	Private Sector Partnerships
PV	Present Value
QDRP	Quarterly Disbursement Request Package
RAP	Resettlement Action Plan
SGA	Social and Gender Assessment
USADF	United States African Development Foundation
USAID	United States Agency for International Development
UNOPS	United Nations Office for Project Services
VOC	Vehicle Operating Costs
WEAI	Women's Empowerment in Agriculture Index

# COMPACT AND OBJECTIVE OVERVIEW

## Introduction

This Monitoring and Evaluation Plan serves as a guide for program implementation and management, so that the Millennium Challenge Account Niger (MCA-N) management staff, Board of Directors, Stakeholders' Committee, Implementing Entities, implementers, beneficiaries, and other stakeholders understand the progress being made toward the achievement of objectives and results, and are aware of variances between targets and actual achievement during implementation.

This Monitoring and Evaluation Plan is a management tool that provides the following functions:

- *Describes the program logic and expected results.* Gives details about what impacts the Compact and each of its components are expected to produce in economic, social inclusion, and gender-related outcomes and how these effects will be achieved.
- *Sets out data and reporting requirements and quality control procedures.* Defines indicators, identifies data sources, and frequency of reporting in order to define how performance and results will be measured. Outlines the flow of data and information from the project sites through to the various stakeholders both for public consumption and to inform decision-making. It also describes the mechanisms that assure the quality, reliability and accuracy of program performance information and data.
- *Establishes a monitoring framework.* Establishes a process to alert implementers, MCA-N management, government officials, stakeholders and MCC to whether or not the program is achieving its major milestones during program implementation and provides the basis for making program adjustments.
- *Describes the evaluation plan.* Explains in detail how MCA-N and MCC will evaluate the Compact interventions to determine whether they are achieving their intended results and expected impacts over time.
- *Includes roles and responsibilities.* Describes in detail what the M&E staff are responsible for and outlines any M&E requirements that MCA-N and Implementing Entities must meet in order to receive disbursements.

## Program Logic

### Compact Background

Niger is a landlocked country located in the western region of Africa, on the southern edge of the Sahara Desert. It has a population of approximately 20 million<sup>1</sup> people covering 489,200 square miles and borders Libya and Algeria to the north, Chad to the east, Mali to the west, Burkina Faso to the southwest, and Benin and Nigeria to the south.

MCC's Board of Directors selected Niger as eligible to develop a Millennium Challenge Compact in December 2012. The Compact was signed on July 29, 2016 and officially entered into force on January 26, 2018.

---

<sup>1</sup> World Bank, Country at Glance, Niger 2015: <http://www.worldbank.org/en/country/niger>

Between 2013 and 2014, an MCC-funded constraints analysis identified (1) Access to water for agriculture and livestock, (2) Government regulation of business, and (3) Regulatory and institutional barriers to trade, as the three most bidding constraints to growth in Niger. The signed Compact aimed at addressing those constraints through a set of projects and activities detailed and described below.

Before the Compact was signed, in 2015, Niger completed a \$16.9 million MCC threshold program focusing on strengthening girls' education, reducing public corruption, streamlining business creation procedures and improving rights and access to land. Results from the Niger threshold program can be found on MCC's website in the evaluation catalog.

### **Compact Logic**

The objective of the Program is to increase rural incomes by improving the sustainable productive use of natural resources for agricultural production and improving trade and market access for agricultural products. This will be achieved through two projects: the Irrigation and Market Access Project and the Climate-Resilient Communities Project. A high-level Compact logic that illustrates how the different project outcomes are expected to contribute to increasing rural incomes can be found in Annex V.

### **Project Description and Logic**

The Compact will directly address the underlying causes of one binding constraint to economic growth and investment in Niger: lack of access to water for productive uses, which inhibits agricultural productivity and household food security. The Program seeks to raise rural incomes by increasing agricultural and livestock production by increasing area under cultivation and improving yields. The Program will achieve this through a combination of policy reforms, infrastructure investments, access to finance and services for smallholder producers, facilitation of partnerships, and improvements to agricultural and livestock production and market platforms. The Program consists of two Projects: (1) Irrigation and Market Access Project (IMAP) and (2) Climate-Resilient Communities Project (CRC). Each project and its expected results are described below.

### ***Irrigation and Market Access Project Description and Logic***

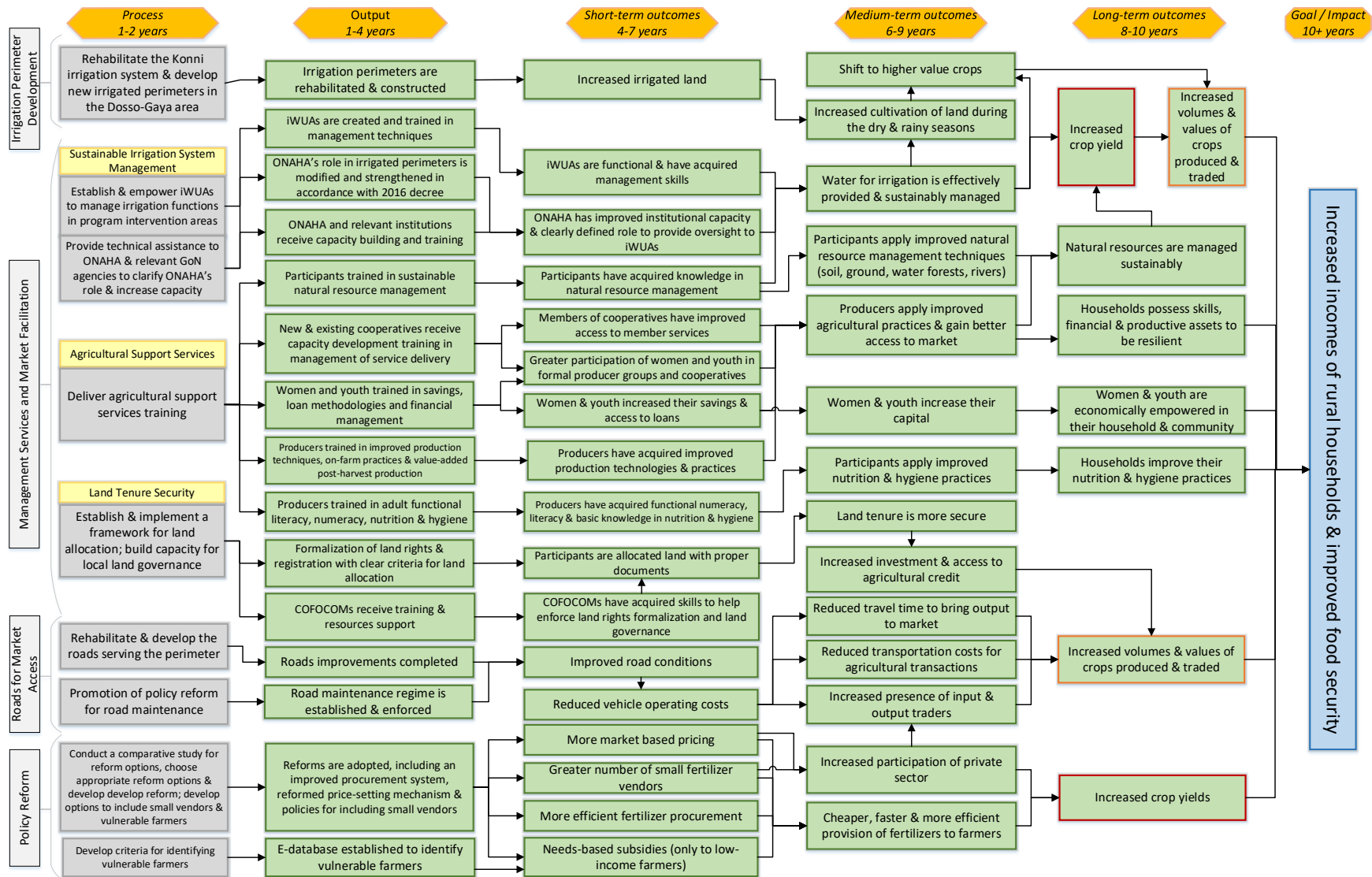
Irrigated agriculture plays a fundamental role in Niger's strategy to reduce poverty and promote economic growth. However, while irrigation investments offer opportunities to secure and expand agricultural production in an increasingly drought-prone country, realization of this promise is constrained by several factors, notably: (i) lack of financing for key irrigation and market access infrastructure ; (ii) limited capacity and ill-defined roles for water delivery and infrastructure operations and maintenance; (iii) land tenure insecurity; (iv) risk of perceived or actual negative impacts on current livelihoods and ecosystem management associated with land use change; and (v) barriers to small farmer commercialization, including poor productivity, weak organizational structures to achieve competitive prices, high costs of commercial financing, and elevated costs associated with transport of goods to markets. All of these issues are further exacerbated by high levels of illiteracy and strong reliance on oral transactions.



The Irrigation and Market Access Project's objective is to increase rural incomes through improvements in agricultural productivity and increases in sales resulting from modernized irrigated agriculture with sufficient trade and market access. Given the increasing frequency of drought in Niger, investing in large-scale irrigation infrastructure in the Tahoua (Konni) region and small-scale irrigation infrastructure in the Dosso (Sia Kounaza) region will result in increased water availability for Project recipients during the wet and dry seasons. Through technical training in water and natural resource management, savings, improved production techniques, marketing, literacy and numeracy, nutrition, sanitation and hygiene education, and other complementary skills, women and men in the irrigated perimeters will be able to utilize the water more productively and to minimize health risks associated with use of water points for both agriculture and livestock, and domestic purposes. In addition, by investing in roads that are linked to the irrigation perimeters, project beneficiaries will be able to more effectively access inputs, services and markets and sell their increased production. These investments in infrastructure, human capacity, and market and performance-oriented management systems will enable Niger's farmers to move toward more commercialized irrigated agriculture as the foundation for sustained growth in rural incomes.

The diagram below illustrates and describes the expected causal relationships for the Irrigation and Market Access Project and synthesizes expected outcomes of that Project.

**Figure 1: Irrigation and Market Access Project Logic**



The Irrigation and Market Access Project consists of the following four Activities: (i) Irrigation Perimeter Development Activity; (ii) Management Services and Market Facilitation Activity; (iii) Roads for Market Access Activity; and (iv) Policy Reform Activity.

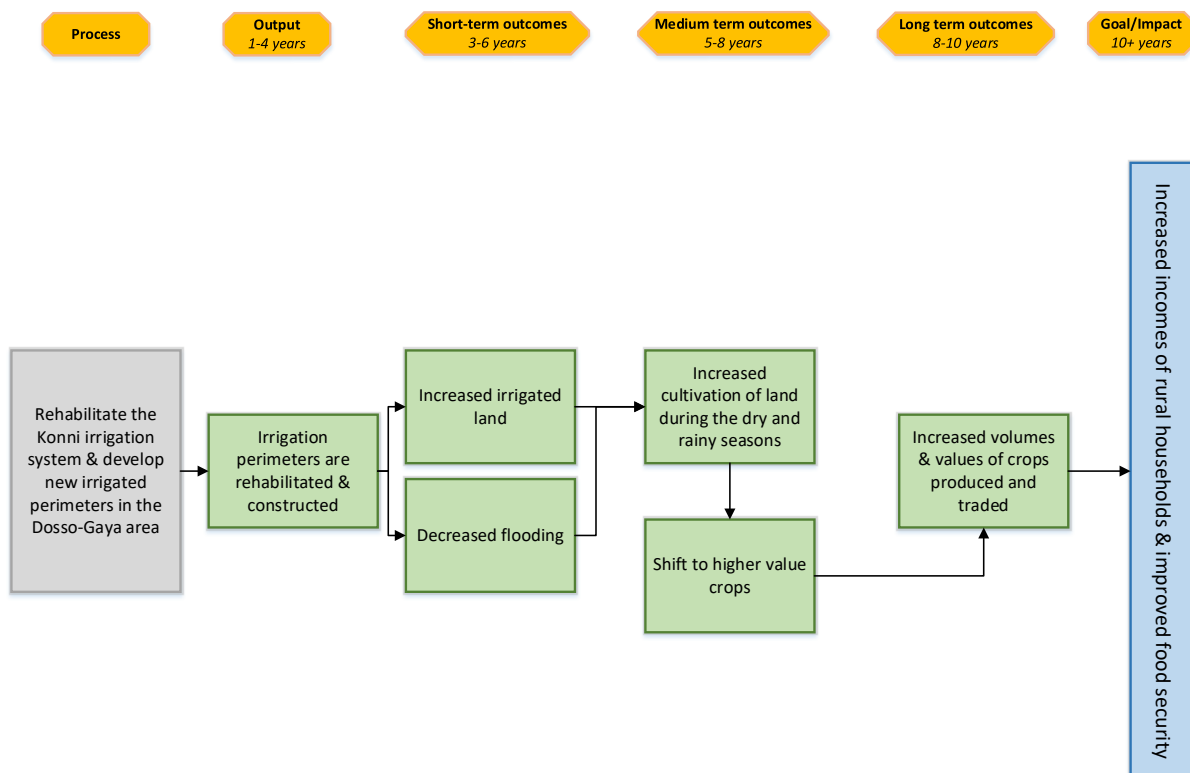
a. *Irrigation Perimeter Development Activity*

The Irrigation Perimeter Development Activity aims to rehabilitate the Konni irrigation system and develop new irrigated perimeters in the Dosso region. Specifically, the Compact will support the following:

- For Konni, the works will consist of rehabilitation of the irrigation system of two cascading surface runoff dams, a downstream collection reservoir and supply channel, and the approximately 2,452 hectare perimeter in the Maggia Valley of the Tahoua region. Rehabilitation in the perimeter will include soil conservation in the catchment to stem the siltation problem, and repairs and rehabilitation of the irrigation system to reduce water losses and improve efficiency.

The diagram below illustrates and describes the expected causal relationships in more detail for the Irrigation Perimeter Development Activity (in the large-scale irrigation section of Konni), and synthesizes expected outcomes of that Activity.

**Figure 2: Konni Irrigation Perimeter Development Activity Logic**



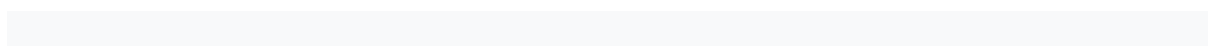
OBJ:

The assumptions and risks<sup>2</sup> underpinning the logic are the following:

- Farmers are willing to pay the cost of sustainable irrigation water supply;
  - Farmers are able to pay the cost of sustainable irrigation water supply;
  - Water User Associations are able to manage water delivery to fulfill the demand and needs of farmers. Water User Associations are able to maintain and repair the systems to keep them operating at optimal capacity, based on good governance and effective collection of fees.
  - Cooperatives are able to provide farmer member services related to access to credit, access to inputs, marketing services.
  - Farmers transition to high value crops and can manage their farm as a commercial activity<sup>3</sup>
- 
- For the Dosso region, the original works consisted of a development of Ouna-Kouanza (zones 4, 5, 6 and 7; - approximately 1,754 ha) and the perimeters of Sia (lower terrace; - approximately 819 ha). During the feasibility study phase, MCC and MCA-N concluded that the initially proposed investment was not feasible, taking into account new knowledge of investment and operational costs, as well as ecological, environmental and social constraints. Following this reassessment, the development of Ouna-Kouanza and Sia perimeters evolved into a new formula which would henceforth be known as SK2. SK2 now replaces the development of the large irrigation schemes of Ouna-Kouanza and Sia by the development of small-scale irrigation (SSI) on up to 640 hectares in the lower terrace of Sia. This demonstration project, based on an innovative farmer engagement model and assessment of groundwater potential, may in the future be extended by the Government of Niger to an initially estimated potential of 1,200 hectares in the project area. The Compact has also financed a national groundwater potential study that shows significant groundwater potential for similar SSI development nation-wide, as well as in two watersheds having similar soils and groundwater conditions.

The diagram below illustrates and describes in more detail the causal relationships expected for the Irrigation Perimeter Development Activity (PI section of SK2), and summarizes the expected results of this Activity in the SK2 area

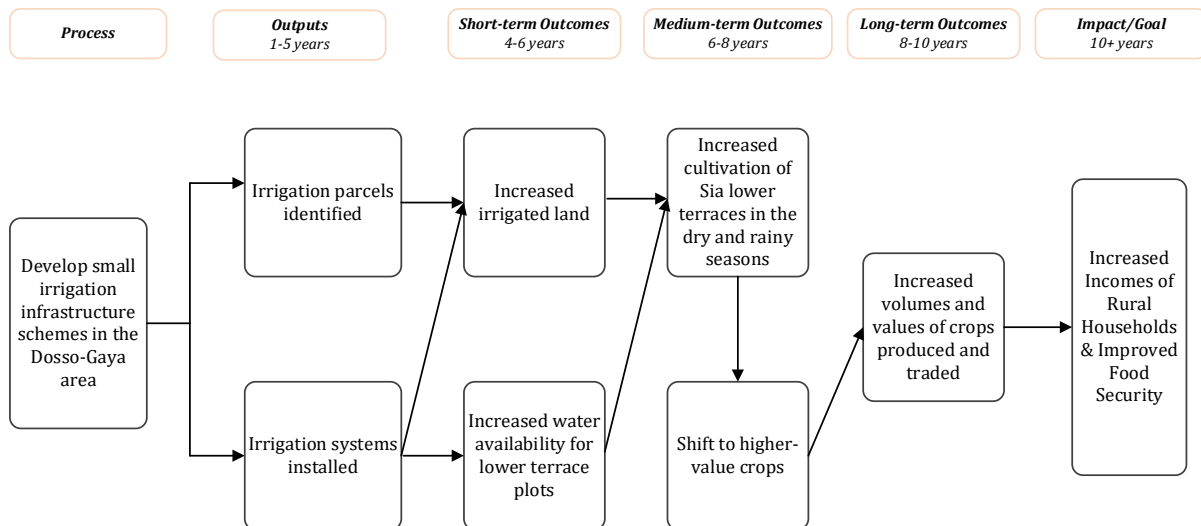
### **Figure 3: SK2 Irrigation Perimeter Development Activity Logic**



---

<sup>2</sup> Failure or unsuccessful fulfillment of the various assumptions may become risks to achieving the expected results and/or effects

<sup>3</sup> A low farmer uptake presents a risk of undermining key economic assumptions.



The assumptions and risks<sup>4</sup> underpinning the logic are the following:

- Farmers are trained in the use and maintenance of the irrigation equipment.
- Maintenance resources are available during and after the Compact.
- Land-holding and land-renting producers have long-term security over the plots.
- Road infrastructures are maintained beyond Compact lifetime to ensure sustainability of crop trade – internally and cross border.
- Farmers are able to establish market and value chain linkages for higher value crops.
- A sustained supporting role of local authorities, SSI service- providers and the national SSI irrigation strategy manager (SPIN) to the new smaller-scale irrigation areas.
- GoN committed to sustaining training for farmers, cooperatives and associations after Compact closeout.
- Farmers transition to high value crops and can manage their farm as a commercial activity

#### b. *Management Services and Market Facilitation Activity*

Through the Management Services and Market Facilitation Activity, the Compact will establish a suite of institutional and management support activities designed to ensure the achievement of the project objective in the irrigated perimeters targeted by the Irrigation Perimeter Development Activity. This Activity will be implemented using a community-based approach to provide services that address the entire production chain, including the supply of agricultural inputs, the yields obtained by farming, the marketing of produce, and the sustainable use of natural resources and irrigation services. Specifically, the Compact will support:

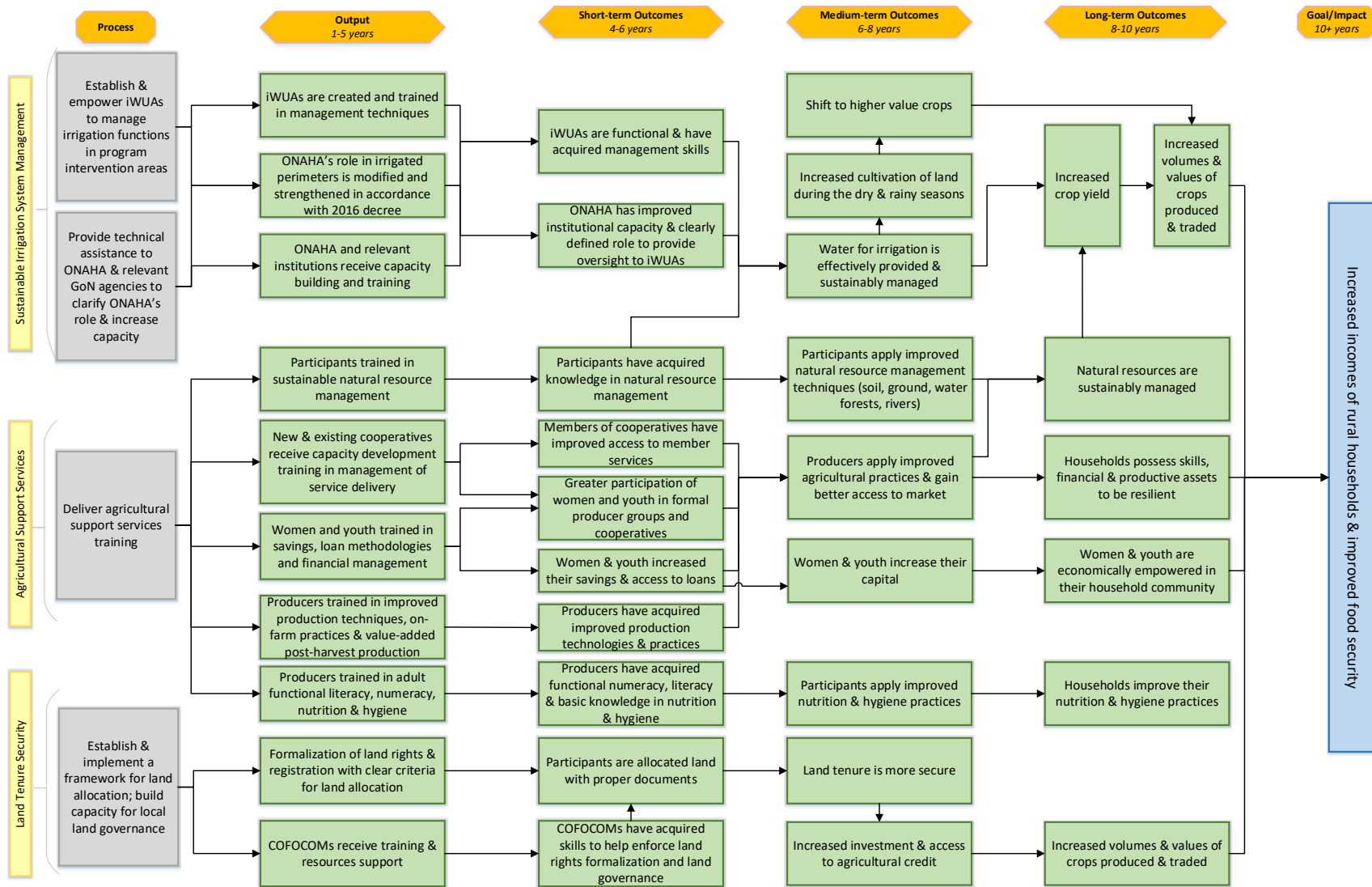
- **Land Tenure Security Sub-Activity:** Targets land tenure security and mitigation of the risk of land conflict in Project intervention zones to result from (1) collection and analysis of baseline land property rights information followed by formalizing land property rights; and (2) building capacity for local land governance including (i)

<sup>4</sup> Failure or unsuccessful fulfillment of the various assumptions may become risks to achieving the expected results and/or effects

reinforcement of local institutional capacity for land tenure and land conflict management, and (ii) integrated local land use planning. In addition, the Sub-Activity will conduct a learning exercise referred to as the “land laboratory” consisting of collection and analysis of information based on a small set of specialized land governance indicators. The purpose of the Land Laboratory is to formulate policy recommendations based on lessons learned during program implementation that may be submitted to national-level land policy makers.

- Sustainable Irrigation System Management Sub-Activity: The establishment and empowerment of single-purpose, self-governing, self-financing, non-profit Irrigation Water User Associations (iWUAs) that will undertake irrigation management functions in the Project intervention areas, including preparatory studies, technical support and capacity building for the newly formed iWUAs;
- Agricultural Support Services Sub-Activity: Strengthening the capacity of beneficiaries, through new or existing savings groups and existing producer groups including women’s groups and youth groups, to: (1) produce commodities in response to market demand and pricing signals; (2) participate in savings groups to improve business skills and save capital to operationalize their cropping calendars; (3) increase use of appropriate fertilizers and improved seeds; (4) monitor and adapt to changing conditions in the environment to maximize benefits from ecosystem services; (5) participate in producer organizations to improve their negotiation position at the farm gate and in the market place; (6) invest in infrastructure to store, process and add value to their production; (7) increase sales of commodities and processed products; and (8) strengthen literacy and numeracy levels as well as knowledge of nutrition and hygiene.

The diagram below illustrates and describes the expected causal relationships in more detail for the Management Services and Market Facilitation Activity and synthesizes expected outcomes of that Activity.



**Figure 4: Management Services and Market Facilitation Program Logic**

The assumptions and risks<sup>5</sup> underpinning the logic are the following:

- Sufficient water is available for irrigating crops either from the irrigation infrastructure investments by the Compact or from other sources;
- iWUAs have been established at an early stage and have management capacity, autonomy and sufficient authority to operate;
- Sufficient support by either the project or other organizations is provided to the new iWUAs for them to operate and maintain the irrigation infrastructure properly;
- Producer groups and cooperatives access to grants for productive activities;
- Project has won support of mayors and chiefs;
- Producer groups, cooperatives, and savings groups put in place strong internal controls;
- Producers are able to improve the business skills developed through training program to take better advantage of market opportunities;
- Farmers shift to higher-value production;
- Trained farmers adopt new technologies covered in trainings and sustain those practices;
- New technologies lead to higher agricultural yields;
- Financial resources are available to finance O&M, particularly periodic large repairs;
- National Office for Irrigation Schemes (*Office National des Aménagements Hydro Agricoles*) (ONAHA) is committed to implementing proposed reforms and practices;
- The reason that farmers do not currently apply improved natural resource techniques is lack of knowledge, lack of financial resources, and lack of sense that they can overcome climate risks;
- The project can overcome the challenges facing youth – including seasonal emigration towards neighboring countries, lack of resources, etc. – and find a way to effectively organize them;
- The reason that farmers do not currently apply improved skills in entrepreneurial and financial, management, nutrition and hygiene choices is lack of knowledge; and
- More secure land tenure and improved land governance will reduce land conflicts and increase agricultural investment.

#### c. *Roads for Market Access Activity*

The Roads Activity aims to reduce trade barriers and improve physical market access through targeted improvements of the road network serving the Dosso-Gaya perimeters and linking them to the rest of the country. To do so, the Activity will consist of the following sub-activities:

- **RN7 Road**  
This Sub-Activity will consist of complete rehabilitation, upgrade and paving of approximately 83 kilometers of the main north-south international trunk road (“RN7”) linking the southern region of Niger to the rest of the country.
- **RN35 Road**

---

<sup>5</sup> Failure or unsuccessful fulfillment of the various assumptions may become risks to achieving the expected results and/or effects



This Sub-Activity will support the rehabilitation and gravel upgrade of approximately 180 kilometers of the RN35 road directly serving the Dosso-Gaya perimeters (“RN35”).

- Sambera Rural Road

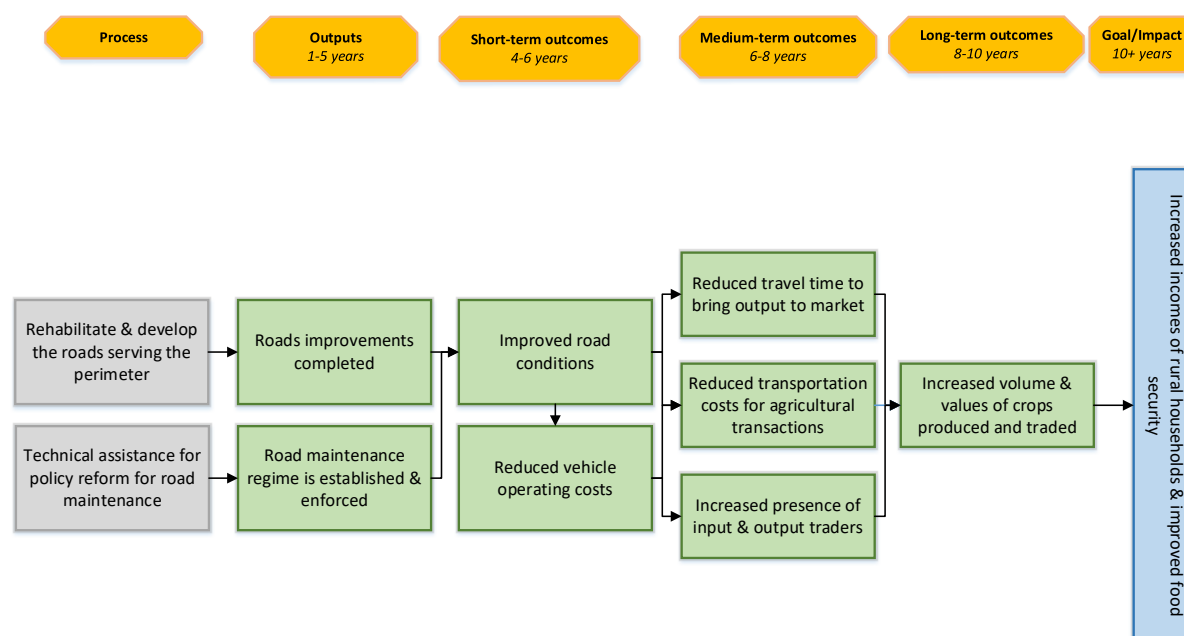
This Sub-Activity will support the rehabilitation and gravel upgrade of approximately 37 kilometers of rural road that links the RN35 with the RN7 (“Sambera Rural Road”).

For each of the three road segments, the Activity will support:

- road structure and wearing course strengthening, road width restoration, road safety improvements, replacement or upgrading of associated structures, such as bridges and culverts, and are inclusive of any environmental, social, health and safety measures required for construction; and
- studies, construction supervision, environmental and social mitigation and enhancement activities, livelihoods restoration and resettlement activities.

The diagram below illustrates and describes the expected causal relationships for the Roads for Market Access Activity and synthesizes expected outcomes of that Activity.

**Figure 5: Roads for Market Access Activity Logic**



1003

The assumptions and risks<sup>6</sup> underpinning the logic are the following:

- Improved road conditions and reduced vehicle operating costs will result in increased competition and reduced transport costs for agricultural products produced in the MCA-N-improved irrigation perimeters;
- Improved road conditions will reduce vehicle operating costs and travel time;
- Better road infrastructure will reduce the amount of damaged produce, leading to higher values for products delivered to market;
- The rehabilitated roads will contribute to linking the irrigation perimeters to markets;

<sup>6</sup> Failure or unsuccessful fulfillment of the various assumptions may become risks to achieving the expected results and/or effects

- More vehicles will use the improved roads to serve farmers' input and marketing needs and for access to social and other services;
- The performance-based road management and maintenance contracts are fully implemented;
- Reduced vehicle operating costs will lead to increased competition and reduced costs for agricultural inputs; and
- Reforms aimed at improved management and sustainable funding of road maintenance in Niger are implemented.

d. *Policy Reform Activity*

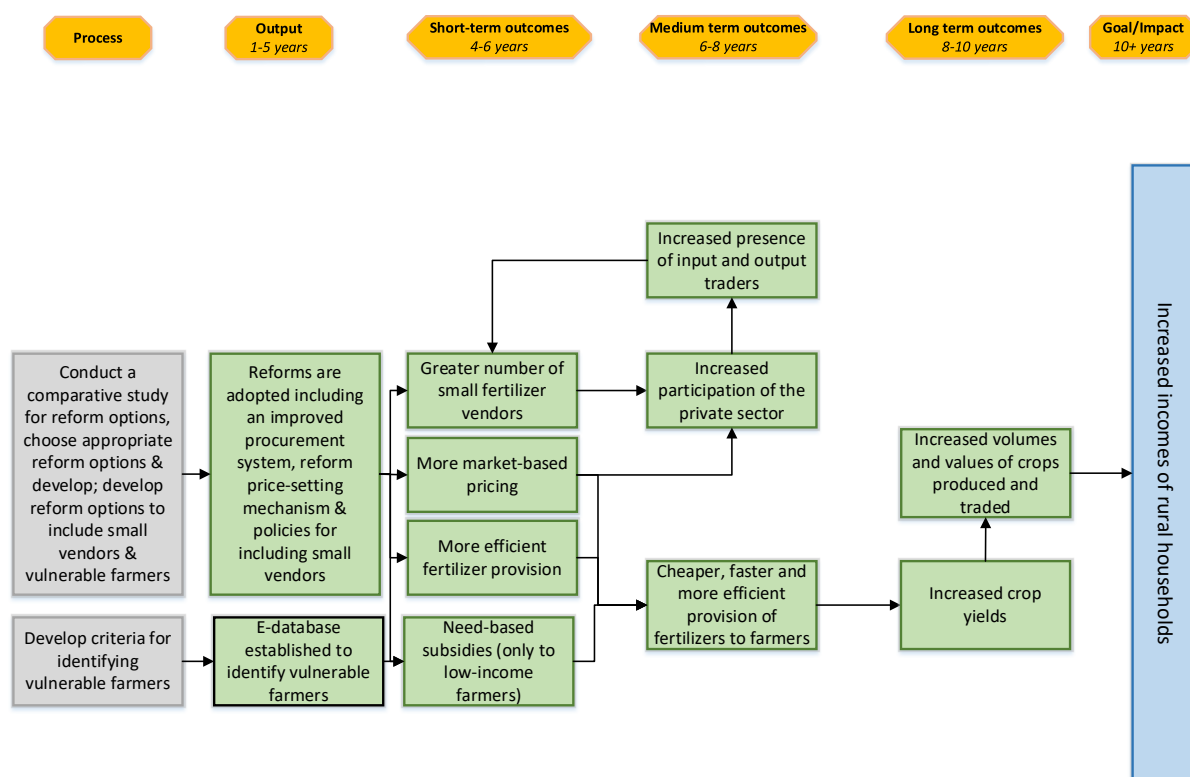
The Policy Reform Activity aims to promote several major policy reforms directly linked to the success and sustainability of the Project. Specifically, the Activity will support:

- **National Water Resource Planning Sub-Activity:** Assessment of groundwater resources in southern Niger using remote sensing technology, detailed hydrogeological studies of priority sites to assess capacity and sustainable use of groundwater resource; and capacity building targeted at Nigerien technical working group to retain evaluation skills in-country;
- **Protected Areas Planning Sub-Activity:** The development and implementation of natural resource and land use management plans for the protected areas and nearby communities affected by the Irrigation and Market Access Project in the Dosso Region, including (i) ecological assessments and land use studies necessary to identify and promote conservation and natural resource planning objectives; (ii) the development and implementation of management plans for Dosso Partial Faunal Reserve and Ramsar Convention site Zone Humide du Moyen Niger II; and (iii) support for the development of community land use plans within and adjacent to the protected areas;
- **Fertilizer Distribution Reform Sub-Activity:** The reform of the fertilizer distribution market to allow greater competition and private sector participation and to enable broad availability and affordability of fertilizers, especially to women and small farmers. The Sub-Activity will assist in the development of an action plan to: (1) open the fertilizer procurement and distribution process to competition by private firms; (2) allow for natural adjustments of fertilizer pricing in response to market demand and in alignment with regional markets; and (3) adopt and implement a fertilizer subsidy exit strategy that leaves in place a focused program to meet crisis needs of the most marginalized; and
- **Statistical Capacity Development Sub-Activity:** The development of the statistical capacities of the national data producers agencies including the National Institute of Statistics and key ministries (Water and Sanitation, Agriculture and Livestock, and Environment)) to (1) generate relevant, timely, gender-responsive and accurate productive sector data, including data disaggregated by income level, sex and age, to the maximum extent practicable; (2) analyze and inform the impacts of government policy related to growth strategies, investment, agricultural trade, natural resources and services; (3) measure economic growth and poverty reduction; and (4) stimulate the use of accurate and up-to-date data to inform government policies and programs.

Specific logic diagrams do not exist for the first two sub-activities above because they have been included in the Compact to ensure sustainability of the results from the other activities.

The diagram below illustrates and describes the expected causal relationships specifically for the Fertilizer Distribution Reform Sub-Activity of the Policy Reform Activity and synthesizes expected outcomes of that Sub-Activity.

**Figure 6: Fertilizer Distribution Reform Logic**



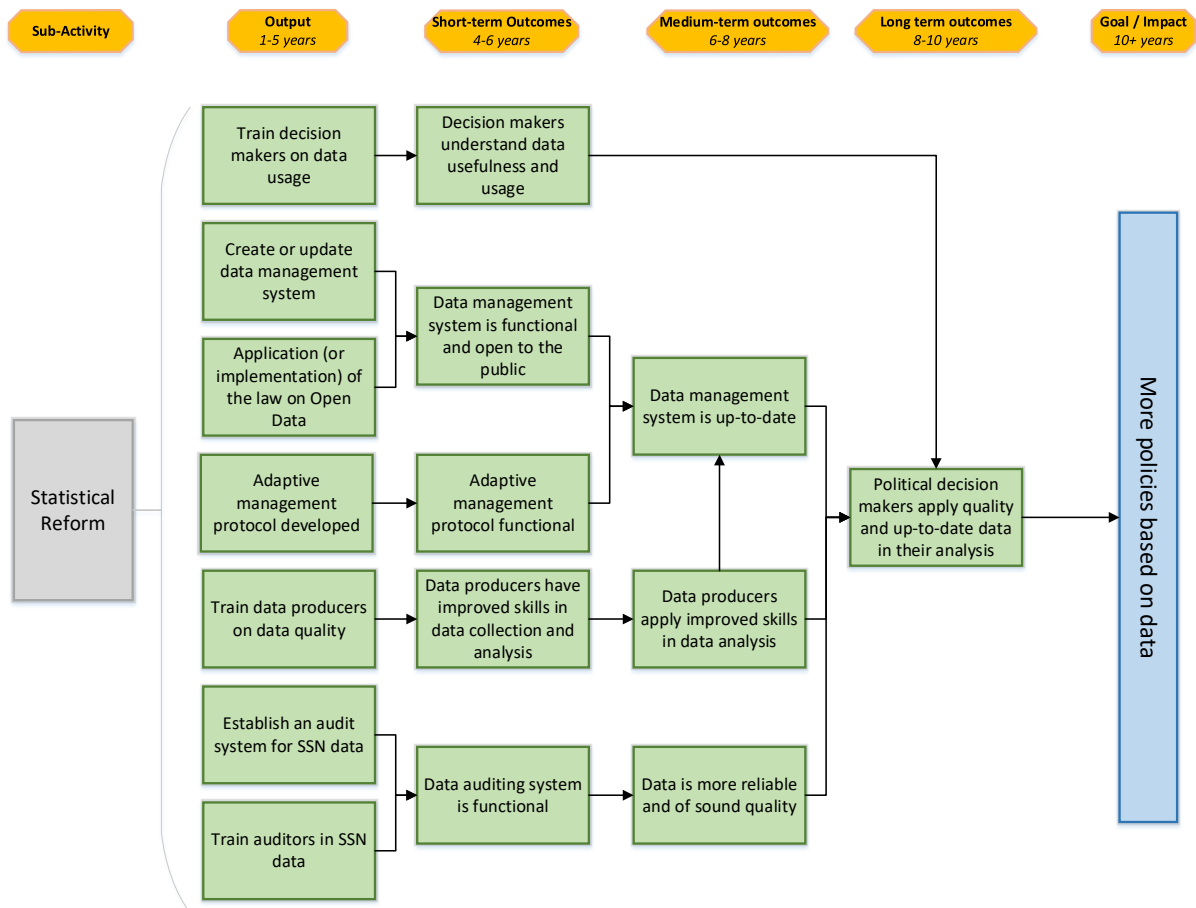
The assumptions and risks<sup>7</sup> underpinning the logic are the following:

- Lack of competition in the fertilizer sector due to the Centralized Supply Center for Agricultural Inputs and Materials's (*Centrale d'Approvisionnement en Intrants et Matériels Agricoles*) (CAIMA) monopolistic control is the root cause of the high prices, low quality and untimely delivery of fertilizers to farmers; and
- The GoN adopts and enforces reformed fertilizer policies;
- Private sector will respond to reformed policies with greater participation in the open market;
- The fertilizer pricing reform will sufficiently offset the high cost of transport and logistics to make last mile fertilizer distribution profitable for firms;
- There will be a more diversified and competitive pool of sellers on the market;
- There will be high enough demand to meet the increased fertilizer supply; and
- The fertilizer market in Niger faces barriers to entry that this sub-activity will address;

<sup>7</sup> Failure or unsuccessful fulfillment of the various assumptions may become risks to a achieving the expected results and/or effects

The diagram below illustrates and describes the expected causal relationships specifically for the Statistical Capacity Development Sub-Activity of the Policy Reform Activity and synthesizes expected outcomes of that Sub-Activity.

**Figure 7: Statistical Capacity Development Sub-Activity Logic**



The assumptions and risks<sup>8</sup> underpinning the logic are the following:

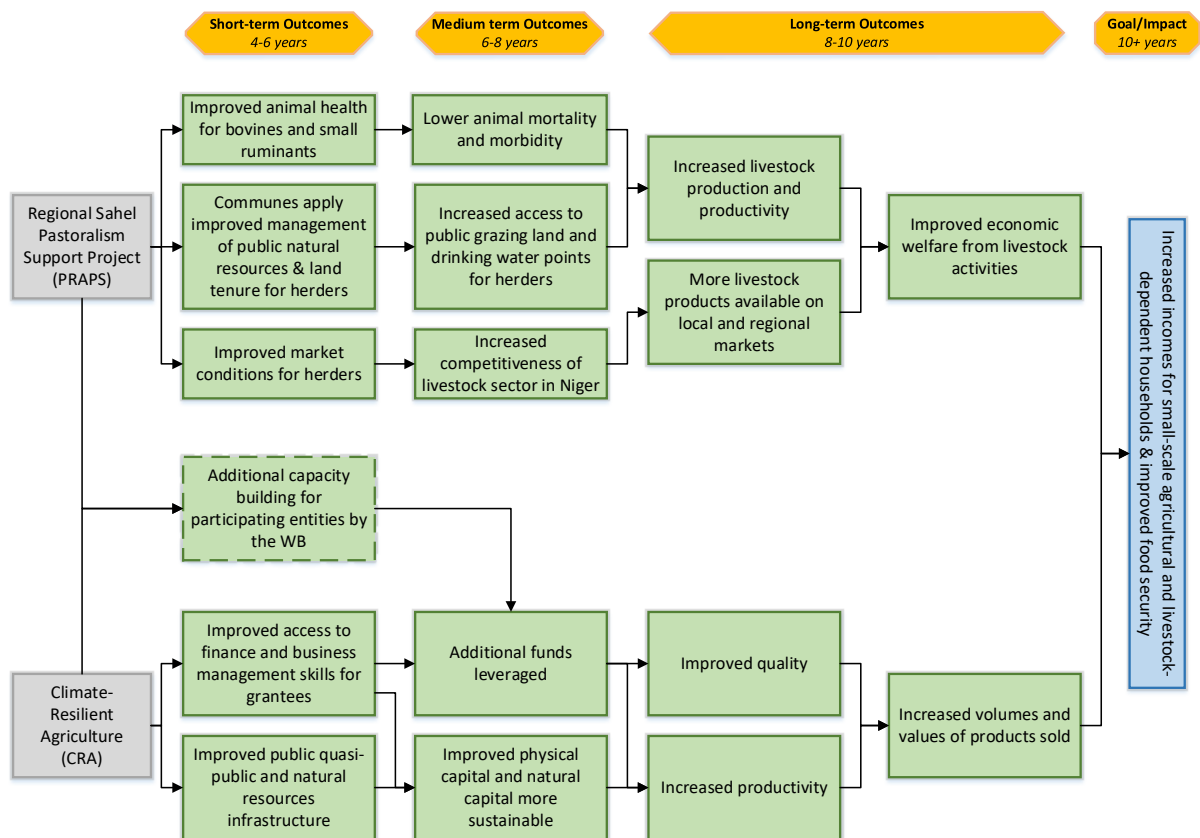
- The *Institut National Statistique* will not unduly impede or impose itself on the processes within the Ministry of Agriculture and Livestock (MAGEL) stats unit.
- The GoN will respond to this reform by investing resources efficiently into the system.
- Retention rate of those trained will be sufficient for sustainable capacity building.
- Decision makers are willing to use data to inform policies.
- Data management system is accessible to users.

<sup>8</sup> Failure or unsuccessful fulfillment of the various assumptions may become risks to a achieving the expected results and/or effects

### Climate-Resilient Communities Project Description and Logic

The Climate-Resilient Communities Project’s Objective is to increase incomes for small-scale agricultural- and livestock-dependent families in Eligible Communes and Livestock Corridors in rural Niger by improving crop and livestock productivity, sustaining natural resources critical to production, and increasing market sales of targeted commodities. The CRC Project will be implemented in 44 communes within the four regions of Dosso, Tillabéry, Tahoua, and Maradi. Please refer to Annex VII for a complete list of CRC Communes.

**Figure 8: Climate-Resilient Communities Project Logic**



The Climate-Resilient Communities Project consists of the following Activities:

a. *Regional Sahel Pastoralism Support (PRAPS) Activity*

This Activity (the *Projet Regional d'Appui au Pastoralisme au Sahel/Niger* or “PRAPS Activity”) will support pastoralist groups and enhance regional integration by improving livestock health, upgrading water and rangeland resources along major transhumance Livestock Corridors, and modernizing local livestock market infrastructure. Specifically, the PRAPS Activity will support:

- **Animal Health Sub-Activity:** A livestock health and vaccination campaign to reduce the prevalence of diseases that debilitate livestock productivity. This will be done following World Organization for Animal Health (OIE) guidelines, with a focus on remote pastoral areas. In the short-term, the goal of these efforts is to increase the share of animals vaccinated against contagious bovine pleuropneumonia (CBPP) and *peste des petits ruminants* (PPR). In the intermediate term, the goal of these efforts is to decrease the herd prevalence of CBPP and to increase the immunity protection of small ruminants against PPR.

Additionally, the Animal Health Sub-Activity will build a more sustainable and efficient national veterinary services. This will be done by developing up to 13 new veterinary clinics and reinforcing the capacity of 15 existing clinics via trainings and the provision of veterinary equipment and materials. Additionally, the Compact will fund the development of up to 2 veterinarian border post to increase animal inspection and control of animals crossing the border to monitor disease prevalence.

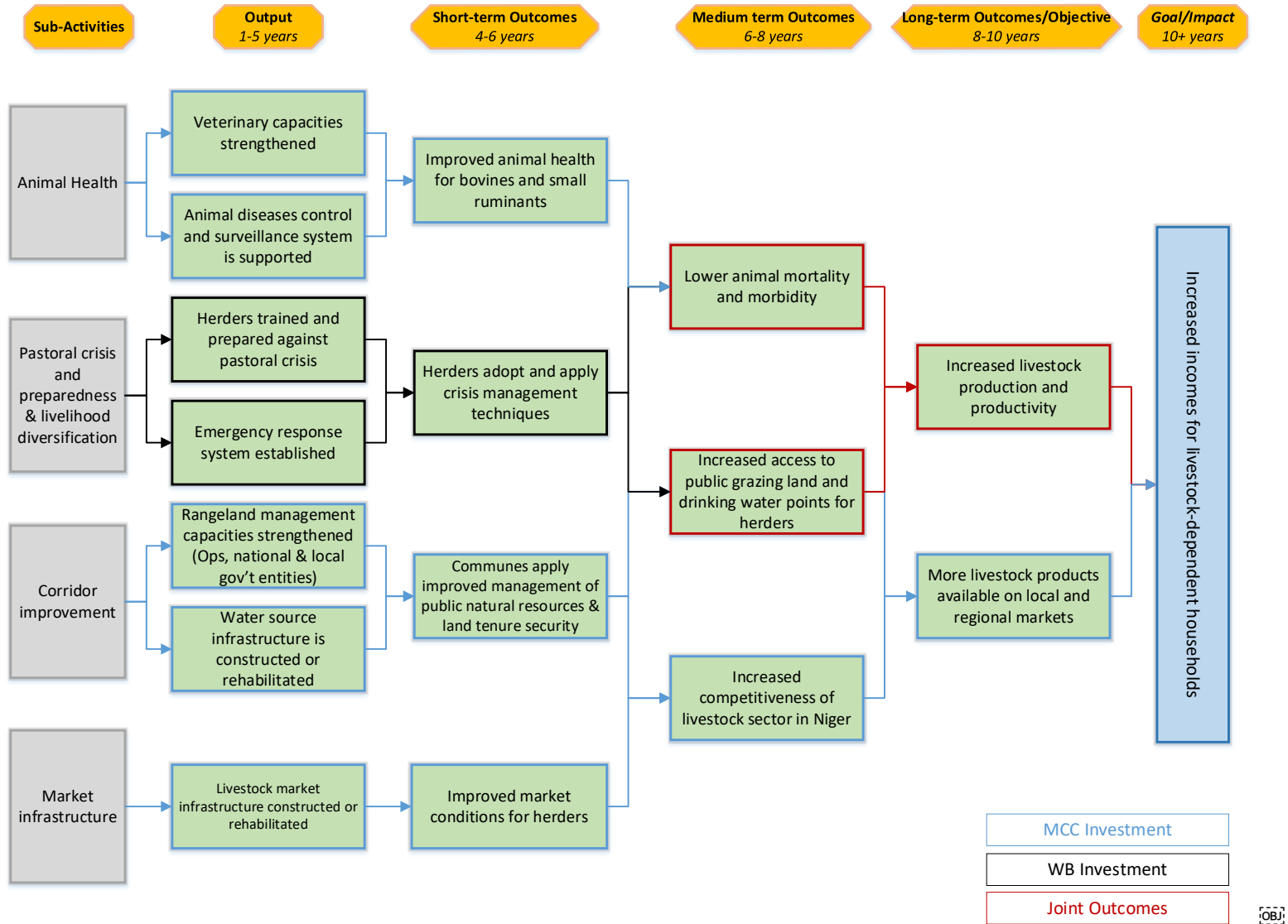
- **Corridor Improvement Sub-Activity:** Consultations to prepare, and the funding to implement, each Livestock Corridor investment plan in form and substance satisfactory to MCC (“Corridor Investment Plans”). Consultations will engage stakeholders in a comprehensive consultative process to identify, by corridor or commune, which Eligible Investments (as defined below) will be prioritized by each Livestock Corridor. Eligible Investments include:
  - a. Upgrades to key water points and livestock pasture and rest areas along Livestock Corridors to help maintain the condition of animals as pastoralists lead them through such corridors to points of sale (such as markets); and
  - b. Demarcation (placing of markings) along the corridors according to the boundaries established in the rural code.

In all cases, the Corridor Investment Plans will outline: (i) appropriate management structure for users of the corridor and regional and communal government offices charged with managing and monitoring the use and sustainability of public water and land resources; (ii) sustainable land management practices including soil restoration, better soil management, and agroforestry; (iii) improved land administration such as improved mitigation and resolution of land conflicts; and (iv) appropriate gender and social integration considerations.

- **Market Infrastructure Sub-Activity:** Modernization of existing dilapidated, and the construction of new, physical platforms to market livestock in an improved trade environment. Twenty-two (22) markets were initially proposed by the Ministry of Agriculture and Livestock for their modernization in the four regions targeted by the Compact based on an inventory of current market infrastructure and livestock trade flows, however, due to security concerns at a number of sites the number of markets MCA is targeting for modernization has been reduced to 18. There are also 3 sites that have been pre-selected for the possible development of milk collection centers. These pre-identified markets and milk collection centers will be evaluated individually through feasibility studies to determine whether they are eligible for rehabilitation.

The diagram below illustrates and describes the expected causal relationships for the PRAPS Activity and synthesizes expected outcomes of that Activity.

**Figure 9: PRAPS Logic**





The assumptions and risks<sup>9</sup> underpinning the logic are the following:

- The vaccinations will reach enough animals within the national herd to achieve herd immunity and significantly reduce prevalence of the two targeted diseases linked to animal mortality and morbidity;
- Training of herders and the emergency response system are completed by the Government and the World Bank in a timely manner;
- Communes will apply improved natural resource management in the restored public pasture land areas to minimize overgrazing;
- Animals will maintain health and weight if they have access to water points and rest areas;
- Herders will invest in animal fattening and obtain better prices for their animals at modernized and organized markets;
- The land tenure interventions will be provided as needed to reduce the risk of conflict over access to improved land and natural resources;
- Modern and organized market platforms will attract more livestock sellers and buyers, creating increased volume of sales and competitive prices for pastoralists;
- The Ministry of Agriculture and Livestock works in close collaboration with MCA-N in the implementation of the PRAPS activities in particular the Animal Health Component, in coordination and following the guidelines provided by the OIE to effectively reduce and monitor prevalence and avoid outbreaks of livestock diseases;
- The infrastructure will be efficiently managed and maintained, and herders and livestock owners have the resources to invest in their cattle; and
- The government will sustain and maintain the vaccinations rates beyond the intervention period.

---

<sup>9</sup> Failure or unsuccessful fulfillment of the various assumptions may become risks to achieving the expected results and/or effects

*b. Climate-Resilient Agriculture (CRA) Activity*

The Climate-Resilient Agriculture Activity (or “CRA Activity”) will support sustainable increases in productivity and farm incomes in Eligible Communes by strengthening the resiliency of farmers and agro-pastoralists to the impacts of climatic events. The Activity will consist of:

- **Integrated Climate Resilient Investment Plans (ICRIPs) Sub-Activity:** This Sub-Activity will include funding to support preparatory public consultations and to implement commune-level Integrated Climate-Resilient Investment Plans (ICRIPs) in each of the CRA eligible communes. Each of the 16 ICRIPs will identify investments for financing that were prioritized by the communes with the input of farmers’ groups, herders, women and youth groups, other civil society and community based groups, and entrepreneurs in a range of areas (e.g., irrigation, erosion control measures, and marketing infrastructure) to achieve one or more of the following objectives: (1) improving soil fertility and water management for rain-fed crops; (2) improving water control and increases in small and medium scale irrigation schemes; (3) support for livestock integration; (4) value chain consolidation and improved market access; and (5) improved agroforestry and natural resource management; and
- **Grants Facility Sub-Activity:** This Sub-Activity will promote climate resiliency of private enterprises by disbursing \$10.5 million in grants through two in-take windows (i) CRA Grants and (ii) Private Sector Partnerships.
  - a. **CRA Grants.** This funding window will support productive assets and investment needs, integrated with the provision of business development services to target beneficiaries in eligible communes and target cooperatives and producer/processor groups, women’s and youth groups, and micro-, small- and medium-sized enterprises. Funding will focus on five categories: (1) irrigation and irrigated production (including post-harvest and storage); (2) rain-fed production (including post-harvest and storage); (3) livestock integration; (4) agro-processing and sale; and (5) input supply. The business development services will support (i) initial outreach and demand targeting; (ii) business plan and grant proposal development for applicants who pass an initial (short-list) screening; and (iii) business advisory support for applicants during grant implementation. Eligible communes include the same 16 communes targeted by the first Sub-Activity, plus two additional communes in the Dosso region, which are also being targeted by MCC for large scale irrigation under IMAP. It is expected that between 65-75 grants will be awarded in two application rounds.

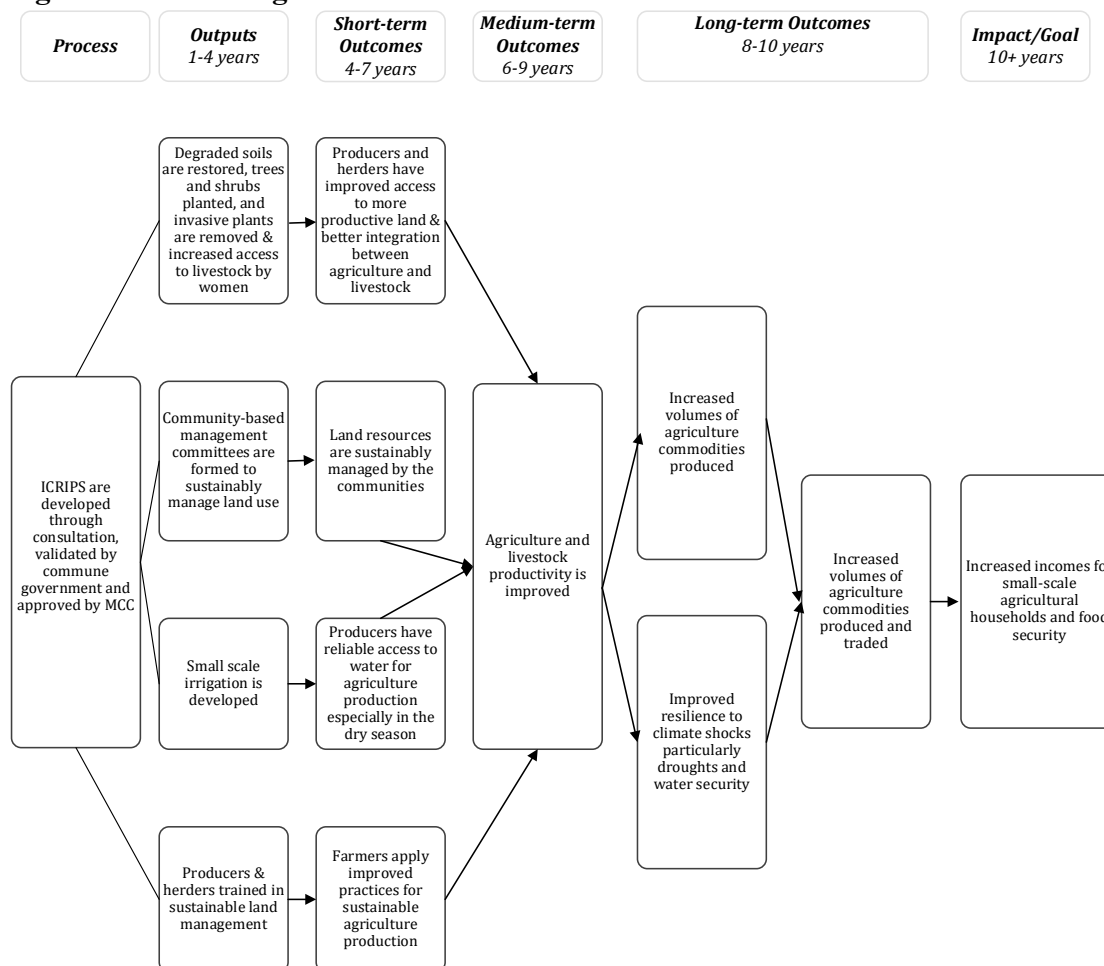
- b. **Private Sector Partnerships.** This funding<sup>10</sup> window will be used by MCA-N to leverage investments from private sector enterprises in the agriculture and agribusiness sectors as a way to further promote financial and market sustainability and a greater impact on smallholder farmers in the areas of intervention. The PSP fund will focus on three priority sectors: (1) fertilizer and input supply distribution; (2) agriculture processing domestic and international markets; and (3) solar energy for processing and irrigation. Targeted PSP Applicants will differ from CRA Grant Applicants in that they will be established firms with a track record and demonstrated ability to raise the required co-financing and implement larger projects within a 24-month timeline. Firms that have direct or indirect business or commercial ties to any of the communities, cooperative groups, or farmers in the 46 communes targeted by the Compact are eligible for selection. However, priority will be given to the 18 communes also targeted in the CRA Grants funding window. Grants will be provided on a 1:1 matching basis with a minimum grant size of \$500,000 and a maximum grant size of \$1,000,000. It is expected that grants will be awarded to 3-5 organizations/projects.

The diagram below illustrates and describes the expected causal relationships for the CRA Activity and synthesizes expected outcomes of that Activity.

---

<sup>10</sup> The Private Sector Partnerships window was not initially included in the Compact Agreement. Rather, this window was developed after the Compact realized cost savings related to management of the CRA Grants Sub-Activity. This Sub-Activity was only recently incorporated into the Compact. The program logic and indicator list have been updated to include this window during the next M&E Plan revision.

**Figure 10: CRA Logics : ICRIPS**

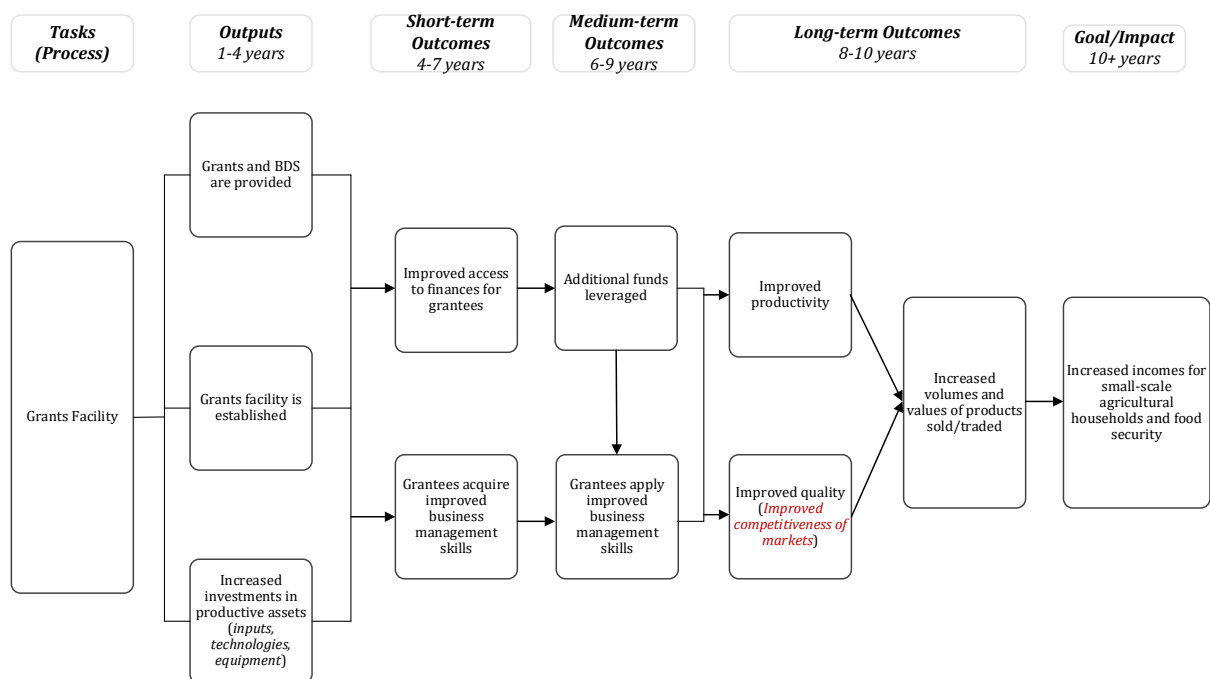


The assumptions and risks<sup>11</sup> underpinning the ICRIPS logic are the following:

- Application of climate-resilient techniques will help farmers better manage climate shocks;
- Sub-ICRIPs prioritized in the ICRIPs will address critical constraints in communes in regards to access to water for small-scale irrigation, rangeland improvement, erosion control measures, afforestation, construction of marketing platforms and dry storage facilities, and access to market information;
- The CRA Activity and the World Bank-funded activities are implemented in a timely and effective manner;
- Prior to any intervention or investment land rights will be properly assessed and any potential risk of land conflict will be addressed with users, COFOs and all relevant authorities;
- All small works funded by MCA-N include training and technical assistance to communes and end-users to clearly define costs and responsibilities to properly operate and maintain public investments in climate-resilient infrastructure

<sup>11</sup> Failure or unsuccessful fulfillment of the various assumptions may become risks to achieving the expected results and/or effects

**Figure 11 : CRA Logics : Grants Facility**

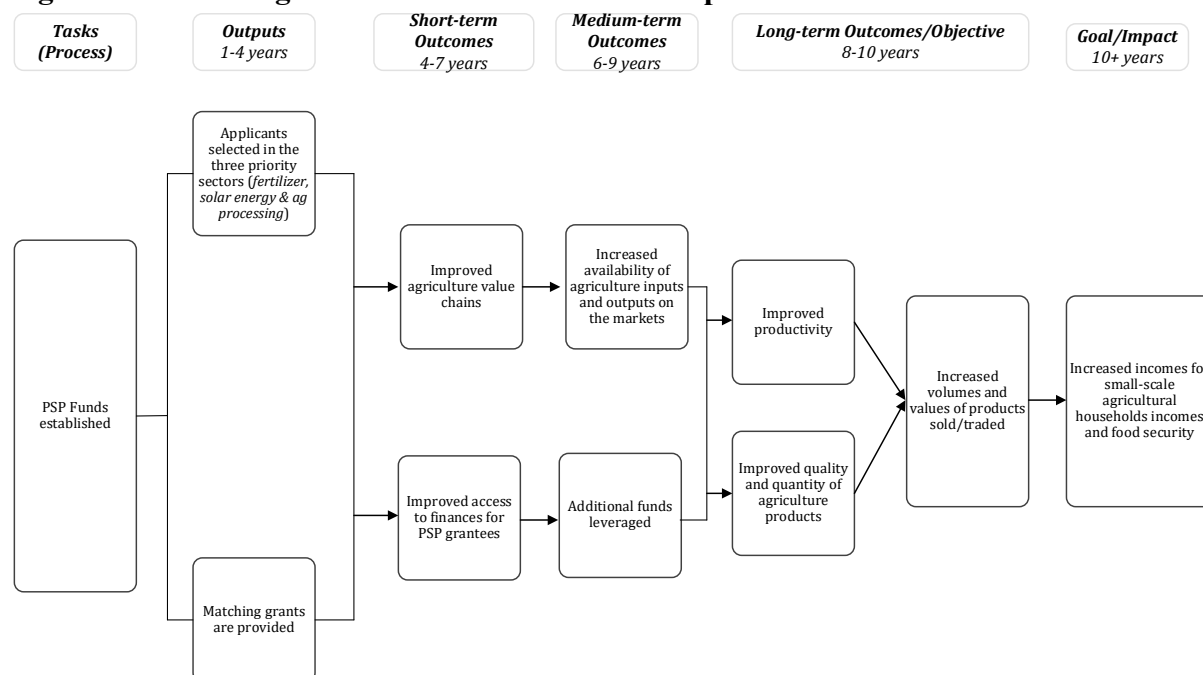


The assumptions and risks<sup>12</sup> underpinning the Grants Facility logic are the following:

- Communities whose residents receive funding from the Facility will invest in public goods to create an enabling environment to support producers and enterprises to invest in improved practices & techniques;
- The CRA Activity and the World Bank-funded activities are implemented in a timely and effective manner;
- All small works funded by MCA-N include training and technical assistance to communes and end-users to clearly define costs and responsibilities to properly operate and maintain public investments in climate-resilient infrastructure; and
- Projects funded by CRA Grants will be sustainable even after grants end and will lead to increased productivity/income.

<sup>12</sup> Failure or unsuccessful fulfillment of the various assumptions may become risks to achieving the expected results and/or effects

**Figure 12: CRA Logics : Private Sector Partnership**



The assumptions and risks<sup>13</sup> underpinning the Grants Facility logic are the following:

- Selected projects have proven track records of business management and financial stability
- Grant funds and additional funds leveraged are purposed for business expansion, improved business practices and techniques, and capacity strengthening
- The demand of agriculture inputs and outputs meets the supply
- Projects funded by CRA Grants will be sustainable even after grants end and will lead to increased productivity/income

## Projected Economic Benefits

### Irrigation and Market Access Project ERR

The Irrigation and Market Access Project is estimated to increase farmer incomes through increased production along extensive and intensive margins. The Konni irrigation system rehabilitation and accompanying training and related investments are expected to increase both area cultivated, particularly during the dry season, and output per hectare. Farmers are therefore expected to augment their incomes by switching towards the cultivation of more lucrative crops, and increasing the volume of their production. The new irrigation perimeters at Sia in the Dosso region are also expected to contribute to economic growth and poverty reduction by raising farmers' income. As with Konni, farmers are expected to increase their income by boosting their production through both an increase in area cultivated (during the dry season) and the achievement of higher yields. The initial and current economic rate of returns (ERRs) for all irrigation perimeters are given in *Table 4* below.

<sup>13</sup> Failure or unsuccessful fulfillment of the various assumptions may become risks to achieving the expected results and/or effects

The key assumptions underlying the cost-benefit analyses and the associated risks to project success are common to both the Konni and Sia irrigation investments. The first area of substantial uncertainty has to do with the cost of and timeline for physical construction. Changes in cost will obviously have a direct impact on ERRs, but timeline issues are important as well; the cost-benefit analyses currently assume that yield improvements will occur via farmer training activities. To the extent that there is less time to train farmers who can cultivate on their own plots using the improved irrigation technology, the ERR will decrease. For Sia, given fixed costs, the ERR is substantially dependent on the number of hectares which are ultimately subject to improved irrigation; a lower final “footprint” means fixed costs are spread over a smaller number of hectares. Similarly, farmer training take-up will also directly affect the cost-benefit analyses.

### **Roads for Market Access Activity ERR**

Roads infrastructure serving the Dosso-Gaya perimeters is intended to complement the irrigation investments. In particular, rehabilitating and upgrading the road network around the Dosso-Gaya area (where Sia is located) is expected to improve physical market access. The cost benefit analysis of all three of the roads the MCC is investing in was conducted using HDM-4 software. Benefits take the form of road user cost savings from lower vehicle operating and user costs. The inputs used to estimate the model are presented in *Tables 1-3*. The combined ERR for road investments at Compact signing was 20 percent.

**Table 1. Assumption made in HDM-4 for RN7**

<b>Core Assumption</b>	<b>Without Project</b>	<b>With Project</b>
International Roughness Index (IRI)	8	2
Project Cost (2016 USD Per Kilometer)	NA	1,266,430
Pavement Type	Bituminous (Paved)	Bituminous (Paved)
Road Width (Meters)	6	6
Maintenance Scheme	Poor (Crack Sealing, Potholes only)	Poor (Crack Sealing, Potholes only)
Normal Traffic (AADT)	1635	1635
Generated Traffic (AADT)	NA	5.4% for light vehicles, 3.4% for heavy vehicles
Truck factor	33%	33%
Value of time (2016 FCFA per hour)	459	459

**Table 2. Assumption made in HDM-4 for RN35**

<b>Core Assumption</b>	<b>Without Project</b>	<b>With Project</b>
International Roughness Index (IRI)	18	6
Project Cost (2016 USD Per Kilometer)	NA	228,726
Pavement Type	Gravel	Gravel (Ready to Pave)
Road Width (Meters)	6	6

Maintenance Scheme	Very poor (Spot regravelling every 3 years)	Decent (Annual regravelling)
Normal Traffic (AADT)	581	581
Generated Traffic (AADT)	NA	Between 38% and 96% of normal traffic depending on vehicle type, from lower transport costs and increased agricultural production in nearby Sia
Truck factor	2%	2%
Value of time (FCFA per hour)	459	459

**Table 3. Assumption made in HDM-4 for Sambera Rural Road**

Core Assumption	Without Project	With Project
International Roughness Index (IRI)	16	8
Project Cost (2016 USD Per Kilometer)	NA	145,232
Pavement Type	Earth	Earth
Road Width (Meters)	6	6
Maintenance Scheme	Very poor (Spot regravelling every 3 years)	Very poor (Spot regravelling every 3 years)
Normal Traffic (AADT)	20	20
Generated Traffic (AADT)	NA	Between 21% and 23% of normal traffic
Truck factor	25%	25%
Value of time (FCFA per hour)	459	459

### **Regional Sahel Pastoralism Support Activity ERR**

The Regional Sahel Pastoralism Support Activity is expected to increase pastoralists' incomes by improving animal health and improving infrastructure to ensure animal growth. For this Activity, separate ERRs will be calculated for each of the three sub-activities.

**Animal Health Sub-Activity:** To improve animal health, this sub-activity will undertake vaccination activities against CBPP and PPR. Vaccination is expected to reduce disease incidence for both CBPP and PPR, and pastoralist income is expected to increase from foregone mortality and morbidity losses associated with these diseases MCC expects to increase bovine vaccination from its current coverage rate of 52 percent to 80 percent and that for small ruminants from 40 percent to 80 percent. To ensure sustainability of the vaccination benefit post Compact, MCC is establishing a ring-fenced vaccination fund that will rely on fees collected in modernized livestock markets.

The ERR was estimated to be 19.27 percent during Compact signing. This figure was reworked to reflect the current state of knowledge of the project and consideration for sustainability of some of the project post Compact. Specifically, in addition to the fund, we have adjusted the



types of livestock targeted to benefit from the vaccination. The revised ERR for vaccination, which includes a vaccination fund, currently stands at 62 percent.

**Corridor Improvement Sub-Activity:** Upgrades made as part of Corridor Investment Plans, such as rehabilitation and upgrading of the transhumance livestock corridors, will increase income by improving animal growth and by decreasing conflict between pastoralists and farmers. The initial ERR for improved livestock corridors was 13 percent and at the time of writing the model is under revision.

**Market Infrastructure Sub-Activity:** “Modernized Markets” include enclosure walls and gates that controls who comes in and out. These modernized markets may also undergo reform to their management such that livestock sale price information is displayed. The goal here is to increase the bargaining power and therefore the incomes of the herders who sell their livestock at the markets. An independent study of Niger markets is being used to inform the CBA for this sub-activity, which is expected to be finalized by the end of 2021.<sup>14</sup>

### **Climate-Resilient Agriculture Activity ERR**

The Climate-Resilient Agriculture Activity (CRA) is expected to foster economic growth and reduce poverty by increasing agro-pastoralist and farmer incomes as well as grant recipient organization profits (in the case of the grants facility). CRA intends to increase integrated agricultural practices, improve the utilization rate of selected and drought-tolerant seeds, develop small-scale irrigation schemes, promote the reclamation of degraded land, protect agricultural soils and watersheds from erosion, and provide funding and business development services to small-holder agro-enterprises. These activities are expected to increase farmers’ income in a number of ways. CRA is expected to increase farmer incomes by increasing production, both through increases in area cultivated and yield. Original and current ERR estimates for the Integrated Climate-Resilient Agriculture Plans (ICRIPs), grants facility and private sector support facility Sub-Activities are given in *Table 4* below.

The combined ERR for the Climate-Resilient Communities Project (thus far) is estimated to be

**Table 4. Economic Rates of Returns (ERRs)**

	Original ERR (March 2016)	Current ERR (June 2021)
<b>Irrigation and Market Access Project</b>	<b>17%</b>	<b>8%</b>
Irrigation Perimeter Development Activity	10%	1%
Konni Irrigation Perimeter	11%	1%
Ouna-Kounaza Perimeter	11%	NA
Sia Perimeter	6%	NA

<sup>14</sup> During the Compact, the ERR for this sub-activity was estimated at 20.54 percent. However, the initial ERR estimated that benefits would be accrued through tax revenue. Later research has determined that this revenue is a transfer, not a benefit and therefore, this ERR estimate is no longer considered accurate.

Sia Small-Scale Irrigation	NA	0%
Roads for Market Access Activity	23%	11%
RN7	25%	12%
RN35	11%	10%
RRS	7%	-6%
<b>Climate-Resilient Communities Project</b>	<b>14%</b>	<b>41%</b>
Regional Sahel Pastoralism Support (PRAPS) Activity	NA	62%
Animal Health Sub-Activity	29%	62%
Corridor Improvement Sub-Activity	13%	TBD
Market Infrastructure Sub-Activity	NA	TBD
Climate-Resilient Agriculture Activity	NA	30%
ICRIPs Sub-Activity	16% (indicative)	26%
Grants Facility Sub-Activity: Grants Funding Window	<i>10% required</i>	26%
Grants Facility Sub-Activity: Private Sector Partnership Fund Window	NA	67%

Given the nature of Compact implementation, all ERRs are subject to change and will presumably remain so until Compact closeout at least.

According to the *MCC Guidelines for Economic and Beneficiary Analysis*, beneficiaries of projects are considered individuals that are expected to experience increased real incomes. The ERR analysis for proposed projects gives details on benefit streams through which beneficiaries should experience increased income. Some participants in the Compact activities may not realize increased incomes, which is why MCC differentiates between participants and beneficiaries.

The expected participants of this Compact are shown in the following table:

**Table 5: Projected Program Participants**

<b>Project</b>	<b>Activity</b>	<b>Program Participant Definition</b>	<b>Est. Number of Participants</b>
Irrigation and Market Access Project	Irrigation Perimeter Development Activity	For broad-based investments, participants and beneficiaries are the same.	See number of beneficiaries below.
	Management Services and Market Facilitation Activity <sup>15</sup>	1. Farmer training participants 2. Women's productive activities training participants 3. Literacy training participants	1. 10,834 farmers 2. 3,000 women 3. 12,800 people
	Roads for Market Access Activity	For broad-based investments, participants and beneficiaries are the same.	See number of beneficiaries below.
	Policy Reform Activity	TBD after the Activity is further designed	TBD after the Activity is further designed
Climate-Resilient Communities Project	Regional Sahel Pastoralism Support Activity	For broad-based investments, participants and beneficiaries are the same.	See number of beneficiaries below.
	Climate-Resilient Agriculture Activity	For broad-based investments, participants and beneficiaries are the same.	See number of beneficiaries below.

The expected beneficiaries (along with the beneficiaries' PVBs and NPVs) of this Compact are shown in the following table:

**Table 6: Projected Program Beneficiaries with PVBs and NPVs**

<b>Project</b>	<b>Program Beneficiary Definition</b>	<b>Estimated Number of Beneficiaries</b>	<b>Present Value (PV) of Benefits</b>	<b>Net Present Value (NPV)</b>
<i>Irrigation and Market Access Project</i>	<i>Irrigation Perimeter Development and Roads for Market</i>	<i>453,520</i>	<i>\$157,294,456</i>	<i>-\$42,586,230</i>

<sup>15</sup> Note that many of these trainees will be trained through more than one training program, so the numbers cannot be added together.

	<i>Access Activity beneficiaries</i>			
Irrigation Perimeter Development Activity	Konni and Sia Small-Scale Irrigation Sub-Activity beneficiaries	36,856	\$39,708,634	-\$56,685,972
Konni Irrigation Perimeter Sub-Activity	Individuals who reside in households where at least one member has a plot inside the perimeter	23,800	\$31,043,577	-\$45,864,022
Sia Small-Scale Irrigation Sub-Activity	Individuals who reside in households where at least one member has a plot which will be subject to improved irrigation	13,056	\$8,665,057	-\$10,821,951
Roads for Market Access Activity	RN7, RN35 and RRS beneficiaries	429,720	\$117,585,823	\$14,099,743
RN7 Sub-Activity	Individuals who live within 5 kms of the relevant section of the RN7	120,985	\$89,538,636	\$17,209,266
RN35 Sub-Activity	Individuals who live within 5 kms of the relevant section of the RN35	254,742	\$27,500,965	\$243,121
RRS Sub-Activity	Individuals who live within 5 kms of the relevant section of the RNS	53,993	\$546,221	-\$3,352,644
<i>Climate-Resilient Communities Project</i>	<i>PRAPS and CRA Activity beneficiaries</i>	<i>3,578,238</i>	<i>\$168,270,727</i>	<i>\$115,858,432</i>
Regional Sahel Pastoralism Support (PRAPS) Activity	Animal Health, Corridor Improvement and Market Infrastructure Sub-Activity beneficiaries	3,414,432	\$82,973,187	\$65,448,136

Animal Health Sub-Activity	Individuals who reside in households where at least one member owns animals that will be vaccinated	3,414,432	\$82,973,187	\$65,448,136
Corridor Improvement Sub-Activity	Individuals who reside in households where at least one member owns animals that will utilize improved corridors	TBD	TBD	TBD
Market Infrastructure Sub-Activity	Residents of communes where a livestock market will be improved	TBD	TBD	TBD
Climate-Resilient Agriculture Activity	ICRIPs and Grants Facility Sub-Activity beneficiaries	163,806	\$85,297,540	\$50,410,296
ICRIPs Sub-Activity	Individuals who reside in households where at least one member farms on a plot that will be improved	163,806	\$69,460,177	\$40,430,503
Grants Facility Sub-Activity: Grants Funding Window	Individuals employed by an organization which received a grant	TBD	\$3,489,394	\$1,384,511
Grants Facility Sub-Activity: Private Sector Partnership Fund	Individuals employed by an organization which received a grant	TBD	\$12,347,969	\$8,595,282

### **Irrigation and Market Access Beneficiary Analysis**

For irrigation, all individuals with plots of land and all members of their households are considered beneficiaries. For the irrigation investments, totals of 3,400 and 1,920 households at Konni and Sia, respectively, are assumed to benefit. Assuming 7 and 6.8 members per household, this gives individual beneficiary estimates of 23,800 and 13,056, respectively, for an Irrigated Perimeter Development Activity total of 36,856. For roads, all members of

households living within five kilometers on both sides along the road are considered beneficiaries. Note that the Project-level beneficiary count is not the sum of the Irrigated Perimeter Development and Roads for Market Access Activity counts, since in that case, Small-Scale Irrigation Sub-Activity beneficiaries would be double-counted.

### **Climate-Resilient Communities Beneficiary Analysis**

For PRAPS, the animal count for the health component suggests that there will be about 426,804 household beneficiaries. In term of individual beneficiaries, and assuming 8 members per beneficiary household, this would represent 3,414,432 people. The number of beneficiaries was calculated based on the proportion of animals in the endemic areas and the vaccination coverage in those areas. Beneficiary estimates for the Corridor Improvement and Market Infrastructure Sub-Activities have yet to be finalized.

For CRA ICRIPs, the number of beneficiaries is calculated like so: It is assumed that entire family farms of an average size of 3.5 hectares are affected by the Sub-Activity, so that the 71,665-hectare intervention will affect 20,746 farm households; assuming 8 members per household, there are a total of 163,806 individual beneficiaries. Estimates of beneficiaries from the CRA Grants Facility Sub-Activity are ongoing and are not expected to exceed the low thousands.

## **MONITORING COMPONENT**

### **Summary of Monitoring Strategy**

The Compact will be monitored systematically and progress reported regularly through the Indicator Tracking Table (ITT). There are four levels of indicators that follow from the program logic framework: (i) goal, (ii) outcome, (iii) output and (iv) process. The various indicator levels map to the program logic and thus allow project developers and managers to understand to what extent planned activities are likely to achieve their intended objectives. Monitoring data will be analyzed regularly to allow managers of MCA-N and MCC to make programmatic adjustments as necessary with a view towards improving the overall implementation and results of the Compact. Often most outcome and goal indicators are not monitored during the life of the Compact, but rather are reported through evaluations after the Compact is complete. Those levels of results typically take longer to be achieved.

Monitoring data are analyzed regularly to allow managers of MCA-N and MCC to make programmatic adjustments as necessary with a view towards improving the overall implementation and results of the Program.

- Goal indicators measure the economic growth and poverty reduction that occur during or, most likely, after implementation of the program. For MCC Compacts, goal indicators will typically be a direct measure of local income and are typically measured through post Compact evaluations.
- Outcome indicators measure intermediate effects of an Activity or set of Activities and are directly related through the program logic to the output indicators.

- Output indicators measure the direct result of the Project Activities. They describe and quantify goods or services produced directly by the implementation of an Activity.
- Process indicators record an event or measure progress toward the completion of Project Activities. They are a forerunner to the achievement of Project outputs and a means to ensure the work plan is proceeding on a timely basis.<sup>16</sup>

MCC has introduced common indicators for external reporting across all MCC Compacts. The common indicators relevant to the MCA-N Compact are included in this M&E Plan.

Annex III of the Compact outlines the initial indicators for the Compact. The M&E Plan builds on this information with additional relevant indicators developed by MCC, MCA-N project managers, and implementers in the early stage of project implementation. Additional indicators will be added as Compact investments are further defined.

The Indicator Definition Table provides relevant details for each indicator by Project and can be found in Annex I. It provides descriptions for the indicator structure by specifying each indicator's: (i) result it is intended to measure; (ii) name; (iii) definition; (iv) unit of measurement; (v) level of disaggregation; (vi) data source; (vii) frequency of reporting; and (viii) party or parties responsible.

To ensure that the Program is on track to meet its overall goals and objectives, the monitoring indicators will be measured against established baselines and targets, derived from the ex-ante economic rate of return analysis, other types of analysis, and project planning documents. The targets reflect the underlying assumptions made in program design about what each Activity would likely achieve. Baselines and target levels for each indicator are defined in Annex II.

Indicators may need to be modified in future versions of the M&E Plan. Modifications and revisions to the indicators may only be made according to the MCC M&E Policy. Any significant modifications to the indicators or other content will be summarized in Annex III of the M&E Plan per the M&E Policy.

A number of each Project's indicators, baselines and targets are currently pending determination. The majority of these baselines and targets will be established once the feasibility and design studies are completed. Others are pending updated data from once implementation contracts are awarded and contractors have presented their work plans.

The M&E Unit shall consult and assist Implementing Entities in setting up their data collection plans and reporting templates.

### **Data Disaggregation**

Where feasible and appropriate, monitoring and evaluation indicators will be disaggregated by sex, age, income, and/or vulnerable groups. The agreed-upon disaggregations for each indicator are noted in Annex I.

---

<sup>16</sup> The indicator levels are formally defined in MCC's *Policy for Monitoring and Evaluation of Compacts and Threshold Programs*.

## **Data Sources**

The indicators identified in the M&E Plan will require the collection of a range of data from various sources within Niger such as the Implementing Entities and implementers. To the greatest extent possible, MCA-N will attempt to harmonize data collection with other existing data sources or planned surveys and ensure that the data collected through the project are useful and cost-effective. Specific data sources are outlined in Annex I of this M&E Plan.

## **Data Quality Reviews (DQRs)**

Data quality is the primary responsibility of the MCA-N staff, led by the M&E Unit. The M&E Unit, other MCA-N staff, as appropriate, and Implementing Entities should regularly check data quality. The M&E Unit should verify that all reported data have appropriate source documentation and that calculations have been done correctly. The MCA-N M&E Unit 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-N may also hire individual data quality monitors to monitor data collection and quality, as needed.

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

The objectives of DQRs are to assess the extent to which data meet 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 levels of data quality is not possible, given the realities of data collection.

The particular objectives for the DQRs will include identification of the following parameters: i) what proportion of the data has quality problems (completeness, conformity, consistency, accuracy, duplication, integrity); ii) which of the records in the dataset are of unacceptably low quality; iii) what are the most predominant data quality problems within each indicator; iv) what are the main reasons behind low quality; and v) what steps can be taken to improve data quality. An initial RQD has been contracted by MCA-N with the firm IDEA International in accordance with the procurement guidelines of the MCC program during the third year of the Compact; and subsequent RQDs will be performed as needed.

## **M&E Capacity Program**

MCA-N is responsible for ensuring regular training of key project stakeholders in monitoring and evaluation in order to build the capacity of these stakeholders to remain compliant with the M&E requirements of the Compact. The capacity building program is need-based, as determined through a) regular staff assessments and b) as identified in the findings of the independent DQRs.



## **Standard Reporting Requirements**

### **Reporting to MCC: Quarterly Disbursement Request Package (QDRP)**

Performance reports serve as a vehicle by which the MCA Management informs MCC of implementation progress and on-going field revisions to Project work plans. Currently, MCC requires that MCA-N submit a Quarterly Disbursement Request Package (QDRP) each quarter. 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 QDRP narrative report provides a brief description of the previous quarter's Compact implementation progress and explains how requested funds will be used in the coming quarter. The QDRP narrative is the responsibility of all staff of MCA-N. The ITT is the source for MCC's internal and external reporting on indicator progress.

Additional guidance on reporting will be provided by MCC in its *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, MCAs should also use these reports and the data included in them to assess progress and performance internally. The M&E teams attempt to align MCC and MCA reporting so that data are used to inform decision-making at both levels.

### **MCA-N Board Coordination Meetings**

The M&E Directorate is responsible for reporting M&E results to the MCA-N Board on a quarterly basis. The reports consist of ITT data and other materials that help depict progress towards Compact targets. These updates may include recommendations that are crucial to change or guide the implementation of projects for consideration by the MCA-N Board.

## **EVALUATION COMPONENT**

### **Summary of Evaluation Strategy**

While good program monitoring is necessary for program management, it is not sufficient for assessing ultimate results. Therefore, MCC and MCA-N will use different types of evaluations as complementary tools to better understand the effectiveness of its programs. As defined in the MCC M&E Policy, evaluation is the objective, systematic assessment of a program's design, implementation and results. MCC and MCA-N are committed to making the evaluations as rigorous as warranted in order to understand the causal impacts of the program on the expected outcomes and to assess cost effectiveness. This Evaluation Component contains three types of evaluation activities: (i) independent evaluations (impact and/or performance evaluations); (ii) self-evaluation, and (iii) special studies, each of which is further described below. The results of all evaluations will be made publicly available in accordance with the MCC M&E Policy.

## **Independent Evaluations**

According to the MCC M&E Policy, every Project in a Compact must undergo a comprehensive, independent evaluation (impact and/or performance). The next section on Specific Evaluation Plans will describe the purpose of each evaluation, methodology, timeline, and the process for collection and analysis of data for each evaluation. All independent evaluations must be designed and implemented by independent, third-party evaluators, which are hired by MCC. If MCA-N wishes to engage an evaluator, the engagement will be subject to the prior written approval of MCC. Contract terms must ensure non-biased results and the publication of results.

For each independent evaluation, MCA-N and relevant stakeholders are expected to review and provide feedback to independent evaluators on the evaluation design reports, evaluation materials (including questionnaires), baseline report (if applicable), and any interim/final reports in order to ensure proposed evaluation activities are feasible, and final evaluation products are technically and factually accurate. MCC's evaluation review process will follow the guidelines outlined in the MCC M&E Policy.

## **Self-Evaluation**

If determined by MCC and MCA to be desirable and useful, MCA may contract an interim evaluation (or multiple interim evaluations if deemed useful) to assess performance against the M&E Plan in the middle of the Compact<sup>17</sup>. MCA is currently working on a joint procurement with UNOPS to conduct a mid-compact evaluation of the implementation both on the programmatic side and on actual results achieved vis-à-vis the M&E Plan.

## **Special Studies**

Either MCC or the Government may request special studies or ad hoc evaluations of Projects, Activities, or the Program as a whole prior to the expiration of the Compact Term. MCA-N M&E is currently considering the following special study:

*Remote Imagery Study:* MCC and MCA-N are developing and documenting methods to monitor changes in the area, crop composition, and yields in irrigation and non-irrigation areas covered by the project, based on cost-effective collection and analysis of remote imagery combined with representative samples based on traditional farm plot level measures. In addition, the new methods will be applied as part of MCC's independent evaluator data collection, by aligning remote imagery with traditional farm plot level crop measures that are being collected by the evaluator. This may also involve continued remote imagery gathering and analysis to provide routine crop-season feedback on essential program crop indicators, including crop composition, area and yields.

## **Specific Evaluation Plans**

With the exception of the road evaluation, which uses the HDM4 model to measure the investment impacts, all the ongoing and planned evaluations aim to measure the effects of the

---

<sup>17</sup> MCA-Niger has opted for targeted evaluations taking into account performance evaluations undertaken as part of the support for the implementation of the Compact by UNOPS according to the P3M3 model. As the evaluation methodology is similar, it will be more advantageous to supplement this evaluation with specific small-scale evaluations.

program on farming and pastoral communities in the Compact implementation areas. The following table summarizes the specific evaluation plans.

**Table 7: Summary of Specific Evaluation Plans**

Evaluation Name	Evaluation Type	Evaluator	Primary/Secondary Methodology	Final Report Date
<b>Irrigation and Market Access Project</b>	Performance (Konni) TBD (SK2)	Mathematica Policy Research	Pre-post mixed-method analysis for Konni area  Mixed Method (Pre-post and Matched comparison groups) for SK2	2026
<b>Roads for Market Access Activity</b>	Performance	International Development Group	Pre-post (HDM-4 road modeling and Political Economy Analysis)	2026
<b>Regional Sahel Pastoralism Support Activity</b>	Performance	A2F Inc.	Pre-post mixed method analysis of the three sub-activities	2027
<b>Climate-Resilient Agriculture Activity</b>	Performance	Social Impact	Pre-post mixed-method approach (quantitative & qualitative data)	2026

### **Irrigation and Market Access Evaluation**

The main goal of the Irrigation and Market Access Evaluation is to determine the extent, if any, to which the various activities improved the productivity and profitability of participants in the irrigation areas.

#### ***Research Questions***

The Irrigation and Market Access Evaluation for the Konni area is expected to address the evaluation questions listed below. The evaluation questions are based on the existing program logics, but they should be refined as the program logics are updated and activities become more defined. It is expected that the specific SK2 research questions will be added to the list upon completion of the implementation design and EDR amendment. Along with the research questions are the specific evaluation methods and data sources as proposed by the Evaluator and approved by MCC.

#### *(a) Konni Perimeter*

Activity	Question group	Evaluation method
	RQ1 Did the project components interact as envisioned during project design to reach a common objective? If yes, what facilitated the interaction and if not, why not?	<i>Implementation analysis</i>
	RQ1a Was there close coordination and planning among the different contractors designing and implementing the activity (land allocation, infrastructure, IWUA, and agricultural services)? Did UNOPS in the role of project management consultant facilitate the rollout and coordination of activities?	<i>Implementation analysis</i>
	RQ2 To what extent did the project interact with the grant facility of the Climate-Resilient Communities Project? What facilitated the interaction and what didn't?	<i>Implementation analysis</i>
	RQ3 Did PAP households experience changes in their household incomes, volumes, and value of agricultural products sold and traded, food and nutritional security, and production of cash crops?	<i>Pre-post analysis</i> <i>Qualitative outcomes analysis</i>
	RQ4 Do stakeholders believe the project was well designed to achieve the project objective? What changes occurred and why?	<i>Qualitative outcomes analysis</i>
	RQ5 If the project produced results, are they expected to be sustained? If the project did not meet its expected results, why not?	<i>Sustainability analysis</i>
	RQ6 What lessons can be drawn to inform future projects?	<i>Synthesis of evaluation analyses</i>
	RQ7 What is the post Compact ERR of the project (except for the Roads for Market Access Activity)?	<i>Quantitative descriptive analysis</i> <i>Pre-post analysis</i>
	RQ8 Were project activities implemented as planned? If not, what changes occurred?	<i>Implementation analysis</i>
	RQ9 Were the expected outputs produced by the activity?	<i>Qualitative outcomes analysis</i> <i>Infrastructure assessment</i>
	RQ10 Is the new/improved infrastructure functioning properly in terms of water flow?	<i>Infrastructure assessment</i>
	RQ11 Is water for irrigation in farmers' plots available as expected from the irrigation system, including frequency, timing, and amount as per planned irrigation schedules? If no, why not?	<i>Quantitative descriptive analysis</i> <i>Qualitative outcomes analysis</i>
	RQ12 Did irrigated land increase as expected (as a whole and per family)? If not, why not?	<i>Pre-post analysis</i> <i>Qualitative outcomes analysis</i>
	RQ13 Did the cost of irrigation water change? If no, why not?	<i>Pre-post analysis</i> <i>Qualitative outcomes analysis</i>

Activity	Question group	Evaluation method
	RQ14 Were project activities implemented as planned? If not, what changes occurred?	<i>Implementation analysis</i>
	RQ15 Were the expected outputs produced by the activity?	<i>Qualitative outcomes analysis</i>
	RQ16 Were IWUAs set up? How many were set up?	<i>Quantitative descriptive analysis</i>
SISM	RQ17 What was the profile of the participants (total number of participants disaggregated by sex and age)?	<i>Quantitative descriptive analysis</i>
	RQ18 What percentage of IWUA leadership committee members at the end of the Compact were women?	<i>Quantitative descriptive analysis</i>
	RQ19 Are IWUAs functioning as expected? Is the irrigation infrastructure being maintained properly?	<i>Qualitative outcomes analysis</i> <i>Infrastructure assessment</i>
LTS	RQ20 Is a land tenure registry functioning according to plan? Is the land registry used as a tool by local authorities to continually record changes in land holdings? Do land holders have access to the correct documentation ( <i>contrats d'occupation</i> or long-term leases for farmers, publicly held property titles of overall perimeters) according to the project plan? Were land use plans at the commune level successfully completed?	<i>Implementation analysis</i> <i>Qualitative outcomes analysis</i> <i>Quantitative descriptive analysis</i>
	RQ21 Are the local land commissions in the project zone better equipped to ensure sustainable management of land rights in/around the perimeter?	<i>Sustainability analysis</i>
LTS	RQ22 Was the level and risk of land conflict reduced? Did land tenure security increase?	<i>Pre-post analysis</i>
	RQ23 Did participants perceive that they learned new skills/knowledge? Did this vary by subgroup? If they didn't perceive learning/acquire new knowledge, why or why not?	<i>Quantitative descriptive analysis</i> <i>Qualitative outcomes analysis</i>
	RQ24 What percentage of participants of adult functional literacy and numeracy report improvement in their skills (basic reading and writing) after the training? What percentage of them indicate improved knowledge of nutrition and hygiene, and budgeting and record keeping (inasmuch as these concepts were introduced as part of the literacy and numeracy training)?	<i>Quantitative descriptive analysis</i> <i>Qualitative outcomes analysis</i>
	RQ25 What percentage of participants' self-report increased knowledge of sustainable land and water resources management?	<i>Quantitative descriptive analysis</i>
	RQ26 What percentage of participants can name and explain at least two or three new or improved agricultural practices that they did not know before the training?	<i>Quantitative descriptive analysis</i>
	RQ27 What percentage of members of <i>comités de gestion</i> within the cooperatives indicate improved knowledge of cooperative management?	<i>Quantitative descriptive analysis</i>

Activity	Question group	Evaluation method	
SAA	RQ28	Have participants applied new practices and technologies? Was this different for women/men or youth/non-youth participants? If knowledge was not applied, why not?	<i>Qualitative outcomes analysis</i> <i>Quantitative descriptive analysis</i>
	RQ29	Were savings and loans groups created and fostered by the project? Based on their participation, have group participants indicated they have improved access to credit?	<i>Implementation analysis</i> <i>Qualitative outcomes analysis</i>
	RQ30	How are cooperatives applying knowledge?	<i>Qualitative outcomes analysis</i>
	RQ31	Did the Fertilizer Reform Sub-Activity produce the expected outputs? What changes occurred to the original design? Did the sub-activity lead to increased private sector participation in the fertilizer sector? If not why not? Have reform activities made fertilizer more affordable and accessible?	<i>Implementation analysis</i> <i>Pre-post analysis</i> <i>Qualitative outcomes analysis</i>
	RQ32	Did the National Statistical Capacity Sub-Activity produce the expected outputs? What changes occurred to the original design? Have reform activities improved GoN's statistical capacities in data collection, analysis, and reporting?	<i>Implementation analysis</i> <i>Qualitative outcomes analysis</i>

(b) SK2 Perimeter

Activity	Question group	Theory of change level
<b>Overarching questions</b>		
RQ1	Did the project components interact as envisioned during project design to reach a common objective? If yes, what facilitated the interaction and if not, why not? Was there close coordination and planning among the different contractors designing and implementing the activity (land allocation, infrastructure, training in infrastructure management, and agricultural services)? Did UNOPS in the role of project management consultant facilitate the rollout and coordination of activities?	<i>Compact activities and outputs;</i> <i>program logic assumptions</i>
RQ3	What is the impact of SSI investments on beneficiary households' incomes, volumes, and value of agricultural products sold and traded, food and nutritional security, and production of cash crops?	<i>Long-term beneficiary outcomes</i>
RQ3a	Do agricultural input use, crop choice, agricultural techniques and agricultural outcomes differ between landowners and renters or renter groups? If so, why?	
RQ4	Do stakeholders believe the project was well designed to achieve the project objective? What changes to implementation occurred and why?	<i>Compact activities and outputs</i>

Activity	Question group	Theory of change level	
	RQ5	If the project produced results, are they expected to be sustained?	<i>Sustainability of project area and beneficiary outcomes; sustainability of compact outputs</i>
	RQ6	What lessons can be drawn to inform future projects?	<i>Compact activities; Compact outputs; project area outcomes; beneficiary outcomes; program logic assumptions</i>
	RQ7	What is the post-compact ERR of the Project (except for the Roads for Market Access Activity)?	<i>Long-term project area outcomes</i>
<i>Irrigation Perimeter Development Activity</i>			
	RQ8	Were project activities implemented as planned? If not, what changes occurred?	<i>Compact activities</i>
	RQ9	Were the expected outputs produced by the activity?	<i>Compact outputs</i>
	RQ10	Is the new infrastructure operating and functioning properly?	<i>Short-term project area outcomes</i>
	RQ11	Is water for irrigation in farmers' plots available as expected from the SSI systems, including frequency, timing, and amount as planned? If not, why not?	<i>Short-term project area outcomes</i>
	RQ12	Did irrigated land increase as expected? If not, why not?	<i>Medium-term project area outcomes</i>
	RQ13	What is the cost of irrigation, including any fuel costs for pumping water? If water was available before the SSI system was built, how did the cost of irrigation water change?	<i>Medium-term project area outcomes</i>
<i>Management Services and Market Facilitation Activity</i>			
	RQ14	Were project activities implemented as planned? If not, what changes occurred?	<i>Compact activities</i>
	RQ15	Were the expected outputs produced by the activity?	<i>Compact outputs</i>
SISM	RQ16	Did the project support the institutions or market actors responsible for O&M as planned? What is the capacity of these institutions or market actors, and the government oversight institutions?	<i>Compact outputs</i>
SISM	RQ19	Is the SSI infrastructure being maintained properly?	<i>Medium-term beneficiary outcomes</i>
LTS	RQ20	Is the land registry used as a tool by local authorities to continually record changes in landholdings? Do landholders have access to the correct documentation according to the project plan?	<i>Compact outputs and outcomes; short-term beneficiary outcomes</i>
LTS	RQ21	Are the local land commissions in the project zone better equipped to ensure sustainable management of land rights in/around the BT project area?	<i>Short-term institutional outcomes</i>
LTS	RQ21a	Is the formal land rental process used by landholders? How is it functioning?	<i>Short-term institutional outcomes; short-term beneficiary outcomes</i>

Activity	Question group	Theory of change level	
	RQ21b	What are the contractual terms between landowners and renters or renter groups? How are input costs—including costs for the irrigation operation and maintenance—and agricultural outputs shared between owners and renters or renter groups? Have there been disagreements over land usage and contract terms?	<i>Long-term beneficiary outcomes</i>
LTS	RQ22a	What is the impact of SSI investments and land formalization on land tenure security, and the level and risk of land conflict?	<i>Medium-term beneficiary outcomes</i>
LTS	RQ22b	How do perceptions of land tenure security, risk of land conflict, access to credit, and agricultural inputs, investments, and outputs of landholders compare to tenants and vary among tenants with different contractual terms?	<i>Medium-term beneficiary outcomes; long-term beneficiary outcomes</i>
SSA	RQ26	Did participants perceive that they learned new skills/knowledge? Did this vary by subgroup? If they didn't perceive learning/acquiring new knowledge, why not?	<i>Short-term beneficiary outcomes</i>
SSA	RQ27	What percentage of participants of adult functional literacy and numeracy report improvement in their skills (basic reading and writing) after the training? What percentage of them indicate improved knowledge of nutrition and hygiene, and budgeting and record keeping?	<i>Short-term beneficiary outcomes</i>
SSA	RQ28	What percentage of participants' self-report increased knowledge of sustainable land and water resources management?	<i>Short-term beneficiary outcomes</i>
SSA	RQ29	What percentage of participants show an active knowledge of improved agricultural practices that they did not know before the training?	<i>Short-term beneficiary outcomes</i>
SSA	RQ30	What percentage of members of <i>comités de gestion</i> within the producer groups indicate improved knowledge of producer group management?	<i>Short-term beneficiary outcomes</i>
SSA	RQ31	Have participants applied new practices and technologies? Was this different for women/men or youth/non-youth participants? If knowledge was not applied, why not?	<i>Medium-term beneficiary outcomes</i>
SSA	RQ32	Were savings and loans groups created and fostered by the project? Based on their participation, have group participants indicated they have improved access to credit?	<i>Short-term beneficiary outcomes</i>
SSA	RQ33	How are producer groups applying knowledge?	<i>Medium-term beneficiary outcomes</i>

#### *Roads for Market Access Activity*



Activity	Question group	Theory of change level
RQ40	To what extent did the activity lead to a change in transportation method, travel time, vehicle operating costs, and transportation costs for traders and farmers in the BT and surrounding areas?	<i>Short-term beneficiary outcomes; medium-term beneficiary outcomes</i>
RQ41	Are more input and output traders present in the Dosso-Gaya area as a result of the roads improvements?	<i>Medium-term beneficiary outcomes</i>
RQ42	To what extent did the activity contribute to increased volumes and values of agricultural products traded from the BT area? How has the activity changed the quality of crops, in particular produce, brought to market and the quantity of crops lost in transportation post-harvest?	<i>Long-term outcomes</i>

### ***Evaluation Methodology Description***

The concepts in the evaluation questions could be measured in different ways, so the Evaluator is expected to work closely with MCC, MCA-N, implementers, and other stakeholders to define how measurement will take place for all of the evaluation questions. The evaluation will likely be a comparison of key outcomes in the irrigation areas before and after the intervention; however the evaluator will explore if different irrigation areas exist that are similar enough to be used as comparisons for a difference-in-difference evaluation.

The current evaluation plan envisions three rounds of data collection (mix of quantitative and qualitative). A baseline in 2020 (for Konni) and 2021 or 2022 (for SK2), an interim round in 2022 or 2023, and a final round in 2025 or 2026 for an exposure period of three to four years. This timeline is based on the existing implementation timeline and projected benefits from the economic analysis. However, the Evaluator is expected to adjust the evaluation timeline and data collection rounds based on their experience evaluating similar projects, as well as from updated implementation plans and economic analysis as more information about when expected results will occur becomes available. In addition, it is expected that the interim data collection round will focus more on implementation and short-term outcomes rather than assessing the ultimate objective of the project.

Additionally, Mathematica will be conducting crop cut surveys on both Konni and SK2 to help fill data gaps and complement household surveys on both Konni and SK2 areas. The crop cut survey will focus on the five key crops that are planted in each season, based on calculation conducted on the baseline survey. These crops are as follows:

- Rainy Season: Sorghum, Millet, Cowpea, Peanut/Groundnut, and Tomato;
- Dry Season: Onion, Cabbage, Corn, Anise, and Tomato.

Moreover, MCC is exploring additional, cost-effective data collection methods, including through partnerships with NASA and RTI International, using geospatial imagery (via drones and satellites) to obtain data on crop identification and selection patterns, and potentially on crop yield estimates on the Konni Perimeter. MCC and Mathematica are collaborating with both entities to incorporate analyses of drone and satellite images that will complement household survey data collection. Remotely sensed data captured by satellites offer the potential to conduct low-cost continuous monitoring of agricultural areas over large geographic

scales and time horizons. More specifically, The Niger remote sensing collaboration focuses on the ability to predict three key indicators for the evaluation of MCC’s investments in the Konni and SK2 perimeters: (1) the area under cultivation—referred to as “cropland mask” in the remote sensing literature, (2) the area cultivated with different types of crops (“crop type map”), and (3) the yield prediction accuracy (yield prediction models)

### **Data Sources**

The evaluation is expected to use data from design studies, implementation reports, a farmer survey, focus groups and key informant interviews. The Konni farmer survey took place in March 2020; however, for SK2 the exact design of the farmer survey, focus groups and interviews will be determined in the amended evaluation design report. Furthermore, the ongoing geospatial data collection efforts by NASA and RTI International will provide additional information on crop identification, farmer land demarcation and potentially crop yields in the Konni zone. Lastly, the Evaluator will also conduct crop cut surveys on both perimeter for complementary data more reliable analyses.

### **Primary Data Collection**

<b>Survey Name</b>	<b>Quantitative or Qualitative</b>	<b>Sampling</b>	<b>Sample Size</b>	<b>Number of Rounds</b>	<b>Exposure Period</b>	<b>Expected Dates of Primary Data Collections</b>
Farmer Survey	Quantitative	Households with land within the irrigation areas	Konni:784 SK2: TBD	2 or 3	3 to 4 years	Baseline: TBD Endline: TBD
Focus Groups and Interviews	Qualitative	TBD	TBD	TBD	TBD	Baseline: TBD Endline: TBD
Crop Cut Surveys	Mixed	PAPs who completed a baseline survey	1500	Konni: 1 SK2: 1	TBD	TBD
Drone & Satellite Imagery	N/A	Konni Perimeter plots	N/A	TBD	TBD	TBD

## **Roads for Market Access Evaluation**

The main goal of the Roads for Market Access Evaluation is to (i) determine the post Compact ERR using HDM-4 analysis; (ii) assess the road maintenance regime; (iii) analyze the composition of road users; and (iv) assess the transportation market structure.

### ***Evaluation Questions***

The Roads for Market Access Evaluation is expected to address the evaluation questions listed below. These evaluation questions cover the four standard research areas for MCC road evaluations, but can be refined as the evaluation design is developed.<sup>18</sup>

Research Question 0: Was the project implemented according to plan?

### **Research Area 1: Engineering Analysis and Economic Model**

Research Question 1: What is the economic return - calculated in terms of vehicle operating cost (VOC) savings and travel time (TT) savings - of the road investments? What factors drove changes to the ERR over time? How could the Activity have been designed to result in a higher ERR?

### **Research Area 2: Maintenance**

Research Question 2A: To what extent have the road maintenance reforms been implemented and how has that affected the sustainability of the road investments? To what extent have the roads been maintained through the performance-based road management and maintenance contracts or other mechanism? Based on this assessment, what set of maintenance assumptions should be used in the economic model to yield the best estimate of the costs and benefits of the road investment?

Research Question 2B: In cases where MCC invested maintenance practices or included a maintenance conditions precedent in the Niger Compact, what were the effects of those efforts and why?

Research Question 2C: What political, and economic incentives are shaping road maintenance decisions and practices in Niger? How did this change from before the MCC intervention to after? What evidence is there that MCC facilitated those changes?

### **Research Area 3: Road Usage Patterns**

Research Question 3: Have road usage patterns changed, in terms of who is traveling along the improved roads, why, what they are transporting, what they are paying for transport, and how long it takes to move along key routes?

### **Research Area 4: Transportation Market Structure**

---

<sup>18</sup> The four research areas for MCC road evaluations are: (i) Engineering Analysis and Economic Model; (ii) Maintenance; (iii) Road Usage Patterns; and (iv) Transportation Market Structure. All roads evaluations must also include an analysis of project implementation, included as Research Question 0.

Research Question 4: How is the transportation market structured and what is the likelihood that vehicle operating cost savings will be passed on to consumers of transportation services? Did this change from before the MCC intervention to after? If yes, what caused the changes?

***Evaluation Methodology Description***

The Evaluator will determine the methodology to be used, but it is expected to be a combination of HDM-4 analysis, which quantifies vehicle operating cost savings and time savings, plus political economy analysis of the road maintenance regime and transport market structure.

***Data Sources***

The evaluation is using data from design studies, implementation reports, traffic surveys, origin and destination surveys, and key informant interviews. The evaluation team will use the data collected under Evaluation Area 1 to inform Evaluation Question 3. Mainly, secondary sources for the baseline, the MTC, and the O-D surveys will be used to inform the evaluation question and no additional primary data will be collected. Additionally, secondary data and KIIs will be essential for answering Evaluation Questions 2A, 2B, and 2C. Below is a summary data source table as proposed by the evaluator:

**Primary Data Collection**

Data collection	Timing	Sample Unit/ Respondent	Sample Size	Relevant Instruments	Exposure Period <sup>19</sup>
Traffic count	06/2026 11/2026 (endline)	Motorized and non-motorized vehicle on the RMA Activity roads	N/A	Traffic count form	42 months 46 months
O-D survey	2021 (baseline)	Motorized vehicle driver on the RMA Activity roads	Depends on the sampling rate (20% for passenger vehicles, 33% for goods vehicles)	O-D survey questionnaire	0 months
O-D survey	06/2026 11/2026 (endline)	Motorized vehicle driver on the RMA Activity roads	Depends on the sampling rate (20% for passenger vehicles, 33% for goods vehicles)	O-D survey questionnaire	42 months 46 months
Axle load survey*	11/2026 (endline)	Heavy vehicle driver on the RMA activity roads	Depends on the sampling rate (20% for passenger vehicles, 33% for goods vehicles)	Axle load survey form	46 months
VOC survey	2021 (baseline)	Transport association, vehicle dealership, GON transportation sector	9	VOC survey form	0 months
VOC survey	07/2026 (endline)	Transport association, vehicle dealership, GON transportation sector	9	VOC survey questionnaire	42 months
Maintenance cost survey*	08/2026 (endline)	AMODER or maintenance contractors	4	Maintenance cost survey form	43 months
Roughness study	2021 (baseline)	RMA Activity roads	Entire lengths of the RMA Activity roads	Roadroid or RoadLab Pro Class 3 or better equipment (RN7)	0 months
Roughness study*	06/2026 (endline)	RMA Activity roads	Entire lengths of the RMA Activity roads	Road Condition form	41 months
Road Condition study*	06/2026 (endline)	RMA Activity roads	83 (100m/km for RN7)	Road Condition form	41 months
Deflection study*	10/2026 (endline)	RN7	830 (every 200m for RN7 for both wheel paths)	Benkelman Beam	45 months

\* Data collection may not be required if the performance-based maintenance contracts are successfully implemented and if reliable data is available to the evaluation team.

<sup>19</sup> The exposure period is tentative as road implementation timeline evolves over time

## Regional Sahel Pastoralism Support Evaluation

The evaluation has been designed to capture the likely effects of the Activity on the expected outcomes of improving economic welfare from livestock activities through increased quantities of pastoral products sold at higher prices, and ultimately on the goal of increasing incomes of rural households.

### *Evaluation Questions*

#### **Overarching Evaluation Questions**

<b>Evaluation Dimension</b>	<b>Evaluation Question</b>
<b><i>Implementation</i></b>	<p>Was the Activity implemented as designed? If not, what changes occurred to the original design during implementation and why?</p> <p>How has the PRAPS Activity planning and implementation integrated the gender issue?</p>
<b><i>Outcomes</i></b>	<p>Were the expected short, medium, and long-term results in the program logic realized?</p> <p>What facilitated achievement of the results if they were achieved? If results were not achieved, why not?</p> <p>If possible, through the analysis, what is the differentiated impact between different components (for instance: the impact of vaccination vs. the impact of transhumance corridors vs. the impact of market construction)? Which components had the greatest impact on the outcomes? And why?</p> <p>What are the benefits experienced (if any) by the users of the livestock markets in the modernized markets?</p> <p>Has the modernized management of a market improved collection and reporting of tax revenue?</p> <p>Based on the findings from the evaluation, what is the estimated ERR for MCC's investments in the PRAPS Activity in Niger?</p>
<b><i>Sustainability and Lessons Learned</i></b>	<p>How sustainable are the results achieved through PRAPS?</p>

Below are the detailed evaluation questions along with corresponding methodologies as proposed by the evaluator and approved by MCC

<b>Evaluation Question</b>	<b>Evaluation Method &amp; Data Type</b>
<b><i>Implementation</i></b>	
Was the activity implemented as designed? If not, what changes occurred to the original design during implementation and why?	<i>Desk review and KIIs with key stakeholders.</i>

Evaluation Question	Evaluation Method & Data Type
1) How was this Activity selected and how does it fit into the standard MCC design model?	<i>Desk review of MCC documentation and semi-structured interviews with MCC and MCA-Niger</i>
2) What kind of difficulties or challenges were faced during the implementation of the PRAPS Activity?	<i>KIIs with key stakeholders</i>
<b>Outcomes</b>	
3) Were the expected short, medium, and long-term results in the program logic realized?	<i>Pre-post analysis using survey data Desk Review of program documentation and secondary data KIIs with key stakeholders</i>
<b>AH Sub-activity</b>	
(i) Did livestock health improve? Has Animal health improved as reflected in lower mortality and morbidity?	<i>Pre-post analysis using survey data Desk Review of program documentation and secondary data KIIs with key stakeholders</i>
(ii) Has the surveillance capacity of veterinary service improved as a result of the intervention?	<i>KIIs with key stakeholders (private veterinarians and assistants, MCA--Niger) Desk Review of program documentation and secondary data</i>
(iii) Has the prevalence of CBPP and PPR decreased as the result of the intervention?	<i>Pre-post analysis using survey data Desk Review of program documentation and secondary data KIIs with key stakeholders</i>
(iv) Was there a reduction in mortality or morbidity of animals linked to the CBPP vaccination campaigns?	<i>Pre-post analysis using survey data KIIs with key stakeholders Desk Review of program documentation and secondary data</i>
(v) Was there a reduction in mortality or morbidity of animals linked to the PPR vaccination campaigns?	<i>Pre-post analysis using survey data KIIs with key stakeholders Desk Review of program documentation and secondary data</i>
(vi) What were the distributional effects of the intervention across subgroups (by gender, minority status, income, age and location)?	<i>Pre-post analysis using survey data</i>
(vii) Did livestock production and productivity increase as a result of the interventions?	<i>Pre-post analysis using survey data KIIs with key stakeholders Desk Review of program documentation and secondary data Time series analysis of SIM Bétail data</i>
<b>MAF Sub-activity</b>	
(viii) Was there an increase in buyers and sellers of livestock? Was there any change in the power dynamics and transparency of transactions (between herders, traders, sellers)?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i>
(ix) Have the upgraded markets improved market conditions for herders?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i>
(x) Was there a relaxation of entry barriers into the markets where the MAF interventions were implemented?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i>

Evaluation Question	Evaluation Method & Data Type
(xi) Was there any change in the power dynamics and transparency of transactions (between herders, traders, sellers)?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i>
(xii) How did livestock prices change/evolve by category and breed because of the new upgraded marketplace?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i> <i>Time series analysis of SIM Betail data</i>
(xiii) Has security improved in upgraded markets?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i> <i>Desk Review of program documentation and secondary information</i>
(xiv) Was there a greater degree of tax collection and livestock security in the upgraded markets?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i> <i>Desk Review of program documentation and secondary information</i>
(xv) Have the upgraded markets helped to increase volume of sales and competitive prices for pastoralists?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i> <i>Time series analysis of SIM Betail data</i> <i>Desk Review of program documentation and secondary information</i>
(xvi) Have the upgraded markets helped to improve pastoralists' profit margin relative to other markets?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i> <i>Desk Review of program documentation and secondary information (to the extent available)</i>
(xvii) How did the upgraded markets help the market players (buyers, sellers, intermediaries, etc.?)	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i> <i>Desk Review of program documentation and secondary information (to the extent available)</i>
(xviii) Was there a net increase in income from livestock production in the markets as a result of the implementation of MAF intervention?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger)</i> <i>Time series analysis of SIM Betail data</i> <i>Desk Review of program documentation and secondary information</i>
(xix) Did the markets offer herders more of the expected services such as veterinary services, animal feed, watering points, market information? Did herders use these services (i.e. did they buy animal feed or animal medicine while in the market)?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i> <i>Desk Review of program documentation and secondary information</i>
(xx) Was there any shift of sales from nearby markets which did not get upgraded?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies)</i> <i>Desk Review of program documentation and secondary information (to the extent available)</i>
(xxi) To what extent can current outcomes be attributed to the MAF interventions?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger)</i> <i>Time series analysis of SIM Betail data</i>



**Evaluation Question****Evaluation Method & Data Type**

*Desk Review of program documentation and secondary information*

**NRME Sub-activity**

- (xxii) Have the interventions led to an increase in pasture lands in the areas of intervention and an increase in the productivity of the existing pasture lands?  
*KIIs with key stakeholders (MCA-Niger, implementing agencies, community members, livestock herders and community representatives)*  
*Desk Review of program documentation and secondary information*
- (xxiii) Was there on average a tangible increase in weight of bovines and small ruminants for animals that have improved access to water points and improved access to pasture lands?  
*KIIs with key stakeholders (MCA-Niger, implementing agencies, livestock herders)*  
*Desk Review of program documentation*
- (xxiv) To what extent are communes managing and maintaining water access infrastructure (wells/boreholes)? And, have communes adopted sustainable management of water access points (e.g. monitoring of wells and water quality) and improved management of pasture lands/pasture areas?  
*KIIs with key stakeholders (MCA-Niger, implementing agencies, community members, livestock herders and community representatives)*  
*Desk Review of program documentation and secondary information*
- (xxv) Have the interventions led to improved transhumant livestock watering conditions during the dry season?  
*KIIs with key stakeholders (MCA-Niger, implementing agencies, livestock herders)*  
*Desk Review of program documentation*
- (xxvi) Has the access to public grazing land improved?  
*KIIs with key stakeholders (MCA-Niger, implementing agencies, livestock herders)*  
*Desk Review of program documentation*
- (xxvii) Have land-related severe conflicts between crop farmers and pastoralists reduced after the interventions were carried out?  
*KIIs with key stakeholders (MCA-Niger, implementing agencies, community members, livestock herders and community representatives)*  
*Desk Review of program documentation and secondary information*
- (xxviii) Has livestock productivity increased as a result of improved grazing lands management and access to water points along the livestock corridor?  
*KIIs with key stakeholders (MCA-Niger, livestock herders, implementing agencies)*  
*Desk Review of program documentation and secondary information*
- (xxix) Has the NRME sub-activity facilitated the supply to livestock markets of animals of better quality and in greater numbers?  
*KIIs with key stakeholders (MCA-Niger, implementing agencies, livestock herders)*  
*Desk Review of program documentation and secondary information*
- (xxx) What was the impact on women livestock herders and farmers using the corridor?  
*KIIs with key stakeholders (MCA-Niger, implementing agencies, women livestock herders, community members, women farmers)*  
*Desk Review of program documentation and secondary information*
- (xxxi) Was there any spillover effect? If so, which are they and what is the extent of the effect? How did it reach other communities?  
*KIIs with key stakeholders (MCA-Niger, implementing agencies)*  
*Desk Review of program documentation and secondary information*

Evaluation Question	Evaluation Method & Data Type
(xxxii) To what extent were NRME targets achieved? If not, then why?	<i>KIIs with key stakeholders (MCA-Niger, implementing agencies, community members, livestock herders and community representatives)</i>
4) What facilitated the achievement of the results if they were achieved? If results were not achieved, why not?	<i>Desk Review of program documentation and secondary information</i> <i>Pre-post analysis using survey data,</i> <i>Desk review of program documentation and secondary data,</i> <i>KIIs with key stakeholders.</i>
(i) How and to what extent did factors outside the Compact (such as droughts, locust attacks, additional third-party interventions and investments, alignment with other five regional PRAPS members, etc.), influence the ability of the project to meet its expected outcomes?	<i>Desk review of program documentation and secondary data,</i> <i>KIIs with key stakeholders.</i>
(ii) Did the assumptions in the program logic hold?	<i>Desk review of program documentation and secondary data,</i> <i>KIIs with key stakeholders.</i>
5) If possible, through the analysis, what is the differentiated impact between different components (for instance: the impact of vaccination vs. the impact of transhumance corridors vs. the impact of market construction)? Which components had the greatest impact on the outcomes? And why?	<i>Pre-post analysis using survey data</i> <i>Desk review of program documentation and secondary data,</i> <i>KIIs with key stakeholders</i> <i>Econometric analysis of SIM Betail data</i>
6) To what extent did livestock production and productivity increase? Livestock production can be measured in terms of livestock breeding, new employment and business creations.	<i>Pre-post analysis using survey data,</i> <i>KIIs with key stakeholders.</i> <i>Econometric analysis of SIM Betail data</i>
7) Were more livestock products available on local and regional markets?	<i>KIIs with key stakeholders.</i> <i>Econometric analysis of SIM Betail data</i>
8) Were greater quantities of pastoral products sold at higher prices?	<i>Pre-post analysis using survey data</i> <i>KIIs with key stakeholders</i> <i>Econometric analysis of SIM Betail data</i>
9) Based on the findings from the evaluation, what is the estimated ERR for MCC's investments in the PRAPS Activity in Niger?	<i>Desk assessment of MCC's ERR calculations</i>
<i>Sustainability and Lessons Learned</i>	
10) How sustainable are the results achieved through PRAPS?	<i>KIIs with key stakeholders</i>

Evaluation Question	Evaluation Method & Data Type
(i) To what extent are MCC’s maintenance expectations for the new infrastructure works being met? <sup>20</sup>	<i>KIIs with key stakeholders</i>
(ii) What are the measures introduced or taken by the communes to ensure sustainability of the investments? How is that being paid for?	<i>KIIs with key stakeholders</i>
(iii) Is the management framework of the upgraded market sustainable?	<i>KIIs with key stakeholders (different categories of market participants and management and MCA-Niger and implementing agencies) Desk Review of program documentation and secondary information</i>
11) To what extent has MCA-Niger supported its partners to ensure ownership and sustainability of the achievements and effects of its interventions?	<i>KIIs with stakeholders Desk review of program documentation</i>
12) What was the level of support in terms of capacity development and establishment of sustainability mechanisms, including ownership	<i>KIIs with stakeholders Desk review of program documentation</i>
13) What lessons can be drawn from the PRAPS Activity to inform future projects and activities?	<i>KIIs with key stakeholders</i>

---

<sup>20</sup> The program logic considers this as an assumption – “The infrastructure will be efficiently managed and maintained, and herders and livestock owners have the resources to invest in their cattle”. However, this question exists as an evaluation question in the M&E Plan. The independent evaluators also feel that this is an important question that needs to be answered to understand the sustainability of the results of the Activity, as well as to inform lessons learnt.

### ***Evaluation Methodology Description***

A2F Inc. has been hired as the independent evaluator to assess evaluation methodology options.

### ***Data Sources***

The evaluation is using data from design studies, implementation reports, a livestock survey, focus groups and key informant interviews. Below are summary data source tables for each sub-activity as proposed by the evaluator and approved by MCC (exposure periods will be determined upon completion of the implementation design and start of the actual implementation):

<b>Name of Survey</b>	<b>Quantitative or Qualitative</b>	<b>Sampling</b>	<b>Sample Size</b>	<b>Number of Rounds</b>	<b>Exposure Period (Months)</b>	<b>Expected Dates for Primary Data Collections</b>
Survey	Quantitative	<i>Pre-post</i>	<i>660 herds</i>	<i>2 rounds</i>	<i>60 months</i>	Baseline survey : <i>1st Quarter of 2021</i>  Endline Survey: <i>4th quarter of 2025</i>
Focus Groups and Interviews	Qualitative	<i>KII</i>	<i>TBD</i>	<i>3 rounds (2020, 2022, 2025)</i>	<i>TBD</i>	Baseline Survey : <i>1st quarter of 2021</i>  <i>Interim Survey (2022)</i>  Endline survey: <i>4th quarter of 2025</i>

### **Primary Data Collection**

#### ***AH sub-activity Evaluation Questions and Data Type***

For AH surveys, the baseline data collection took place in early 2021 and consisted of surveys of 660 livestock herds, 160 Key Informant Interviews (KIIs) with project participants/end-beneficiaries, 35 KIIs with other key stakeholders (veterinarians and their assistants, MCA Niger Implementation and M&E teams MAGEL, LABOCEL) in the four intervention regions of Dosso, Maradi, Tahoua, and Tillabéri in Niger.

Sample size per region:

- Dosso: 117 herds (17.7% of sample)
- Maradi: 195 herds (29.6% of sample)
- Tahoua: 192 herds (29%)
- Tillabéri: 156 herds (23.7% of sample)

## Climate-Resilient Agriculture Evaluation

The evaluation has been designed to capture the likely effects of the Activity on the expected outcomes of improving the economic welfare from agricultural activities through increases in agricultural productivity and improved resilience to shocks, and ultimately on the goal of increasing rural household incomes.

### Evaluation Questions

Grants Facility Sub-Activity:

The four core EQs for the grant facility component of the evaluation are:

1. How and to what extent have household and organizational incomes changed as a result of the activity? (Sub-activity Objective)
2. How and to what extent were the project outcomes achieved? (Sub-activity Outcomes)
3. How and to what extent were the individual grants implemented as planned? (Grant Implementation)
4. How and to what extent was the facility as a whole implemented as planned? (Facility Implementation)

Wherever relevant, each evaluation question shall be addressed for both funding windows as well as the PSP. Additionally, MCC and the evaluator have agreed on the following questions for the Grants Facility and PSP wherever possible and relevant. Along with the main research questions are specific areas of inquiry and corresponding program outcomes.

Evaluation Question	Area of Inquiry
How and to what extent have household and organizational incomes changed as a result of the activity?	<ol style="list-style-type: none"><li>1. <i>To what extent have incomes of the grantee organizations changed after receiving grant funding? To what extent did the changes meet grantee proposal expectations?</i></li><li>2. <i>To what extent have incomes of individual group members changed since their organizations received grant funding?</i><sup>21</sup></li><li>3. <i>To what extent and in what ways has any change in income been driven by changes in volume vs. price, and why?</i></li><li>4. <i>To what extent, and in what ways, have the grants received affected organizational and individual beneficiaries' resiliency to climate change?</i></li><li>5. <i>What factors contributed to or inhibited grantees' ability to increase their incomes (such as: obtaining funding/support from other donors, broader economic shifts, organizational capacity factors, changes in transaction costs, etc.)?</i></li><li>6. <i>What is the Economic Rate of Return for each of the grants in the selected, key categories? How do the measured ERRs compare with the forecasted ERRs?</i><sup>22</sup></li></ol>

<sup>21</sup> This is the only outcome at the individual/household level. Though a survey could be conducted to measure incomes quantitatively, SI doesn't believe this approach would be cost-effective given concerns that the activity will result in income changes at this level and the significant resources needed to launch an additional survey. Thus, the ET proposes a qualitative assessment.

<sup>22</sup> SI proposes CBA for a sample of grants. SI would identify key categories/types of funded activities, based on the number and size of grants awarded. Cost-benefit models would be created for each key category of activities. Using data from the grantee surveys, an ERR would then be calculated for each of the grants in that category.

How and to what extent were the project outcomes achieved?	7. <i>To what extent has the volume of goods and/or services sold by grantee organizations changed since receiving grant funding? To what extent did the changes meet grantee proposal expectations?</i>	
	8. <i>How, if at all, have the prices received by grantee organizations for their goods/services changed since the start of the project? To what extent did the changes meet grantee proposal expectations?</i>	
	9. <i>What factors have contributed to or inhibited the volume and values of products sold by grantees (such as the market's willingness to pay for products of increased quality or the adoption of time-saving technologies)?</i>	
	10. <i>To what extent did grantees improve their productivity on a per-unit basis (production per hectare, for example)?</i>	
	11. <i>What factors have contributed to or inhibited changes in productivity?</i>	
	12. <i>To what extent and in what ways has the quality of products/services sold by the grantee organizations changed?</i>	
	13. <i>What factors have contributed to or inhibited changes in the quality of products/services sold by grantees?</i>	
	14. <i>Have grantees invested additional resources in growing their organizations/businesses? If so, how much, for what purposes, and using what sources of funding?</i>	
	15. <i>Other than the MCC-funded grants, have grantee organizations been able to access other terms of financing? If so, how much, from what sources, and for what purposes?</i>	
	16. <i>How likely will grantees be able to continue accessing these additional sources of financing after the project ends?</i>	
	17. <i>In what ways did the project help grantees access new sources of financing? What challenges remain?</i>	
	18. <i>To what extent are grantee organizations and their members implementing the skills and technologies trained by the project?</i>	
	19. <i>Which new skills have been the most useful to grantees? Why? Which have been the least useful?</i>	
	20. <i>What new skills have training participants learned through the project?</i>	
	21. <i>To what extent have participants learned key lessons taught in the project training?</i>	
	How and to what extent were the individual grants implemented as planned?	22. <i>To what extent did grantees make the investments included in their approved grant packages?</i>
		23. <i>What factors drove grantee investments after award and influenced the extent to which they did/did not make the anticipated investments?</i>
		24. <i>To what extent and in what ways were the grants managed effectively and efficiently? How did this affect outcomes?</i>
	How and to what extent was the facility as a whole implemented as planned?	25. <i>Was the Sub-Activity implemented according to plan and/or design as outlined in the Operations Manual and Inter-Agency Agreement?</i>
		26. <i>What worked well during implementation? What were the challenges?</i>
		27. <i>Was project selection done in a clear and transparent manner and in alignment with the selection processes as described in implementation documents and/or operations manuals? How could the selection be improved?</i>
28. <i>Compare and contrast the solicitation, selection and award process between the two funding windows (CRA and PSP) and different facility models, approaches and objectives. What are the strengths and weaknesses of each approach and their corresponding operations manuals?</i>		

	29. <i>How effective (or not) was the facility model at achieving the intended outcomes? Was the facility effective in encouraging applicants that were successful and aligned with the window objectives?</i>
	30. <i>To what extent, and in what ways, did grantees employ innovative or renewable technologies and practices as a part of their grant-based investments? And to what extent did those investments affect outcomes?</i>

**ICRIPs Sub-Activity:**

The four core EQs for the ICRIPs component of the evaluation are:

1. How and to what extent have household incomes and food security changed as a result of the activity? (Sub-activity Objective)
2. How and to what extent were the project outcomes achieved? (Sub-activity Outcomes)
3. How and to what extent were the individual sub-ICRIPs implemented as planned? (Sub-ICRIPs Implementation)
4. How and to what extent was the ICRIPs activity as a whole implemented as planned? (ICRIPs Sub-Activity Implementation)

For each EQ, the related Areas of Inquiry and the associated links with the program logic are:

**Summary of ICRIPs Evaluation Questions and Areas of Inquiry**

<b>Evaluation Question</b>	<b>Area of Inquiry</b>
How and to what extent have household incomes and food security changed as a result of the activity?	1. <i>To what extent have overall incomes of community members changed after ICRIPs implementation?</i>
	2. <i>To what extent and in what ways has food security changed for community members after ICRIPs implementation?</i>
	3. <i>To what extent have agricultural/livestock incomes changed vis-à-vis non-agricultural incomes?</i>
	4. <i>To what extent, and in what ways, have the ICRIPs interventions by MCC affected community and household beneficiaries' resiliency to climate change?</i>
	5. <i>What factors contributed to or inhibited community members' ability to increase their incomes and food security as a result of the ICRIPs interventions?</i>
	6. <i>What is the Economic Rate of Return for the selected ICRIPs interventions? How do the measured ERRs compare with the forecasted ERRs?</i>
How and to what extent were the project outcomes achieved?	7. <i>To what extent has the volume of goods and/or services sold by communities changed since ICRIPs interventions were implemented? To what extent did the changes meet sub-ICRIPs expectations?</i>
	8. <i>What factors have contributed to or inhibited the volume and values of products sold by beneficiaries of ICRIPs interventions (such as the market's willingness to pay for products of increased quality)?</i>
	9. <i>To what extent did productivity on a per-unit basis (production per hectare, for example) change after the ICRIPs investments?</i>
	10. <i>What factors have contributed to or inhibited changes in productivity?</i>
	11. <i>To what extent and in what ways has the quality of products/services sold by the beneficiaries of ICRIPs interventions changed?</i>
	12. <i>What factors have contributed to or inhibited changes in the quality of</i>

	<i>products/services sold by grantees?</i>
	<i>13. What is the status of the infrastructure and physical resources supported by MCC?</i>
	<i>14. To what extent are the infrastructure and physical resources created through the sub-ICRIPs investments sustainably managed? Why/why not?</i>
	<i>15. What has worked well in sustaining the infrastructure and physical resources? What have the challenges been?</i>
	<i>16. To what extent are participants implementing the lessons/skills they learned in training through the activity?</i>
	<i>17. What factors affect participants' implementation of the lessons they learned?</i>
	<i>18. How useful did participants find the training through the sub-activity? What lessons/skills were most useful? Which were least useful? Why?</i>
	<i>19. To what extent did participants learn the key lessons taught through ICRIPs-supported training?</i>
How and to what extent were the individual sub-ICRIPs implemented as planned?	<i>20. To what extent did communes make the investments included in their approved ICRIPs and sub-ICRIPs?</i>
	<i>21. What factors drove commune investments after award and influenced the extent to which they did/did not make the anticipated investments?</i>
	<i>22. To what extent and in what ways were the sub-ICRIPs managed effectively and efficiently? How did this affect outcomes?</i>
How and to what extent was the ICRIPs activity as a whole implemented as planned?	<i>23. To what extent was the sub-activity implemented according to plan?</i>
	<i>24. To what extent was sub-ICRIPs selection done in a clear and transparent manner? How could the selection process be improved?</i>
	<i>25. What worked well during implementation? What were the challenges (including the local government enabling environment support policies)?</i>
	<i>26. How effective (or not) was the small model for supporting the achievement of intended outcomes?</i>

### ***Evaluation Methodology Description***

Social Impact has been hired as the independent evaluator to assess evaluation methodology options.

### ***Data Sources***

The evaluation is using data from design studies, implementation reports, , focus groups and key informant interviews. Below is a summary data source table as proposed by the evaluator and approved by MCC (exposure periods will be determined upon completion of the implementation design and start of the actual implementation):

### **Primary Data Collection**



Evaluation Question	Key Outcomes	Qualitative Methods
EQ #1: How and to what extent have household and organizational incomes changed as a result of the activity?	Increased Incomes of Rural Households	<u>Semi-Structured Interviews</u> <ul style="list-style-type: none"> <li>Members of Grantee Organizations</li> <li>Grantee Representatives</li> <li>Implementation Staff</li> </ul> <u>Document Review</u> <ul style="list-style-type: none"> <li>Project Reports</li> </ul>
EQ #2: How and to what extent were the project outcomes achieved?	All Short to Long Term Outcomes	<u>Semi-Structured Interviews</u> <ul style="list-style-type: none"> <li>Members of Grantee Organizations</li> <li>Grantee Representatives</li> <li>Implementation Staff</li> </ul> <u>Direct Observation</u> <ul style="list-style-type: none"> <li>Grantee Project Sites</li> </ul> <u>Document Review</u> <ul style="list-style-type: none"> <li>Project Reports</li> </ul>
EQ #3: How and to what extent were the individual grants implemented as planned?	Grant Implementation Effectiveness and Efficiency	<u>Semi-Structured Interviews</u> <ul style="list-style-type: none"> <li>Members of Grantee orgs.</li> <li>Members of orgs. that were not awarded a grant</li> <li>Grantee Representatives</li> <li>Implementation Staff</li> </ul>
EQ #4: How and to what extent was the facility as a whole implemented as planned?	Facility Implementation Effectiveness and Efficiency	<u>Direct Observation</u> <ul style="list-style-type: none"> <li>Grantee Project Sites</li> </ul> <u>Document Review</u> <ul style="list-style-type: none"> <li>Project Reports</li> </ul>

Name of Survey	Quantitative or Qualitative	Sampling	Sample Size	Number of Rounds	Exposure Period (Months)	Expected Dates for Primary Data Collections
KII	Qualitative	Pre-post	TBD	2 rounds	TBD	Interim survey: 2022 Endline Survey: 2026
Focus Groups and Interviews	Qualitative	TBD	TBD	2 rounds	TBD	Interim Survey (2022) Endline survey: 2026

# **IMPLEMENTATION AND MANAGEMENT OF M&E**

## **Responsibilities**

### **MCA-N M&E Unit**

The MCA-N M&E Unit is part of the MCA Management Team, and is composed of an M&E Director who has the key responsibility of leading and managing all M&E and economic activities and M&E and Economic Analysis Officers who support the M&E Director in performing the M&E activities. Additionally, the M&E Unit hires short-term support on an as-needed basis. The M&E Unit carries out, or hires contractors to complete the following and other related activities:

- 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-N and reporting entities;
- 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 (MCC MIS);
- Elaborate and document M&E Policies, Procedures and Processes in an M&E Manual or other format, to be used by all MCA-N 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 implementers, to ensure a common understanding by all. This could take the form of orientation and capacity building sessions or ongoing coordination efforts, 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,
  - 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,
  - Key M&E deliverables including TORs, contracts/agreements, data collection instruments, reports/analyses, etc.;
- Develop (with members of the MCA-N Communications/Outreach Unit, Environmental and Social Performance (ESP), Gender and Social Inclusion (GSI), and implement a systematic results dissemination approach that draws on verified ITT data to ensure participation of all stakeholders, and to facilitate feedback of lessons learned into the Compact implementation process;

- Organize and oversee regular independent data quality reviews on a periodic basis to assess the quality of data reported to MCA-N;
- 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 Director to prepare and conduct procurement of M&E contracts;
- Ensure that data collection mechanisms are designed to collect data disaggregated by gender, income category, age, and other dimensions, as applicable and practical, and that the findings are presented at the appropriately disaggregated level;
- As the champion of results based management, the M&E Unit will take steps to foster a results oriented culture throughout MCA-N 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 data collection, storage, and dissemination activities maximize protection of confidentiality of survey respondents’ personally identifiable information. This may require:
  - Facilitating local Institutional Review Board clearance for data collection,
  - 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 acknowledgements of roles and responsibilities,
  - Requiring relevant stakeholders to sign non-disclosure agreements, and
  - Incorporating data protection standards into the organization’s records management procedures, or if necessary, developing a records management procedure that includes such standards.

The M&E Director is a part of MCA-N’s internal Management Unit, composed from MCA leadership, Project Directors and other Directors. The M&E Director reports directly to the MCA-N CEO and maintains close cooperation with Project Directors. Collaboration with the procurement team is 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 may be conducted in close cooperation with the MCA-N Communications/Outreach Unit.

In order to prepare for post Compact monitoring by the Government, the MCA-N M&E Unit should identify a post Compact point of contact (POC) for MCC early on in the program and work with that POC to build understanding of the MCC program and monitoring process. This POC should be part of the Government entity that will commit to continuing M&E of Compact investments after the Compact End Date. The M&E Unit should also identify the team 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 feedback prior to the publication of final reports.

### ***Monitoring and Evaluation (M&E) Director***

The M&E Director is responsible for the overall M&E strategy and review of Compact implementation. The Director also acts as an advisor to the CEO and MCA-N Senior Management. The Director periodically measures, reports and communicate (in collaboration with the Communications/Outreach Unit) the performance and results of the Compact, which inform implementation decisions and help the Compact achieve its objectives. The Director also analyzes the overall program execution, covering both financial and physical implementation and monitoring key assumptions and risks made in the ERR calculations for the program.

### ***Monitoring and Evaluation Officers***

The Monitoring and Evaluation Officers and CRC imbeds assist in the full range of M&E activities, including day to day monitoring and analysis, and providing timely and relevant information to key project stakeholders. Imbeds refer to MCA staff imbedded within the World Bank's implementation units, and in charge of providing MCA inputs to the implementation teams and reporting on the progress to MCA.

### ***Economist***

Along with MCA's Monitoring and Evaluation Officers and CRC imbeds, the MCA Economist assists the M&E Director in his/her day-to-day responsibilities, and report to him/her. The role of the MCA Economist during implementation is twofold. First, they are actively engaged in the estimation of the ERRs for CRA projects using templates designed by MCC Economists. The MCA Economist works closely with the CRA Manager and sector experts to agree and validate the key variables needed to estimate the ERR which will be approved and validated by MCC Economists. Second, the MCA Economist monitors the key indicators used to estimate the ERR for Compact projects. It is anticipated that some projects or activities may encounter redesigns that may trigger an ERR re-calculation and the role of the MCA Economist is to monitor these triggering events

### ***Coordination***

#### ***MCA-N Data Management System for Monitoring and Evaluation***

All MCAs must use the MCC MIS for reporting the QDRP (including the ITT) to MCC. In addition, an MCA may decide to develop its own MIS for M&E to collect data from implementers that can track program progress and monitor each activity to facilitate timely and accurate reporting. However, any MIS development must be coordinated closely with both the MCC MIS and MCA MIS initiatives, other service providers, and government ministries.

### ***Review and Revision of the M&E Plan***

The M&E Plan is designed to evolve over time, adjusting to changes in program activities and improvements in performance monitoring and measurement. The M&E Plan may be modified or amended without amending the Compact. However, any such modification or amendment of the M&E Plan by MCA-N must be approved by MCC in writing and must be otherwise consistent with the requirements of the Compact and any relevant supplemental agreements. With notice to MCA-N, MCC may make non-substantive changes to the M&E Plan as necessary. Some examples of non-substantive changes could include revising units to correspond to MCC's approved list of units of measurement or standardizing indicator names.

### ***Timing and Frequency of Reviews and Modifications***

In the fourth quarter of every Compact year, or as necessary, the M&E Director of MCA-N and representatives of MCC M&E staff will review how well the M&E Plan has met its objectives (i.e., an “Annual Review”). The Annual Review is intended to ensure that the M&E Plan measures program performance accurately and provides crucial information on the need for changes in project design. More specifically, the review:

- Ensures that the M&E Plan shows whether the logical sequence of intervention outputs and outcomes is occurring;
- Checks whether indicator definitions are precise and timely;
- Checks whether M&E indicators accurately reflect program performance;
- Updates indicator targets, as allowed by the MCC M&E Policy; and
- Adds indicators, as needed, to track hitherto unmeasured results.

The M&E Plan will be revised by MCA-N, in agreement with MCC M&E, when the need for change has been identified in an Annual Review. The revision and approval process will follow the guidelines outlined in the MCC M&E Policy.

The Annual Reviews will adhere to the following schedule; however, the M&E Plan may be reviewed and modified at other times, e.g., as Compact investments are further defined:

**Table 8: Schedule for Annual Reviews**

<b>Compact Year</b>	<b>Timing of Annual Review</b>
1	October - December 2018
2	October - December 2019
3	October – December 2020
4	October – December 2021

### ***Documenting Modifications***

Justification for deleting an indicator, modifying an indicator baseline or target, modifying Beneficiary information or major adjustments to the evaluation plan will be adequately documented in English in Annex III to the revised M&E Plan. MCA-N shall use the standard modification template provided by MCC for documenting these modifications.

### ***Approval and Peer Review of M&E Plan Modifications***

All M&E Plan modifications made by the MCA-N will be submitted to MCC for formal approval. The M&E Plan may undergo peer review within MCC before the beginning of the formal approval process. The initial M&E Plan must be approved by MCA-N Board of Directors prior to its formal submission to MCC. MCA-N must then send the M&E Plan to MCC for formal approval. Any revision of the M&E Plan by MCA-N must be approved by MCC in writing and must be otherwise consistent with the requirements of the Compact program agreement, and any relevant supplemental agreements.

## **M&E BUDGET**

The budget for the implementation of the proposed M&E activities for the five-year term of the Compact is US\$12 million. The line items of this budget will be reviewed and updated as the program develops, on an annual or quarterly basis, when the respective quarterly detailed financial plan is submitted to MCC with the quarterly disbursement request.

The M&E budget does not include the M&E staff in the MCA-N Management Unit whose salaries and field trips are included in the administrative budget of the Compact. The budget should not exceed the total amount over the five years, but the distribution of funding between line items and years may be adjusted according to the results of the M&E Plan's annual or quarterly reviews, if needed.

While the resources for carrying-out surveys during the Compact are included as Compact funds, the evaluation design and analysis is to be funded directly by MCC. MCC will commit to fund the external evaluators. A high-level evaluation budget will be added to this plan once the evaluations are more defined.

## ANNEX I: INDICATOR DOCUMENTATION TABLE

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
Project 1: Irrigation and Market Access Project										
Activity 1: Irrigation Perimeter Development Activity										
Project 1: Irrigation and Market Access Project										
AI-8	Output	Increased irrigated land	Hectares under improved irrigation	The number of hectares served by existing or new irrigation infrastructure that are either rehabilitated or constructed with MCC funding.	Hectares	Niger Irrigation Perimeters (Konni, SK2)	Hand-over Certificates	MCA-Niger Irrigation and Infrastructure Manager	Annual	This indicator should measure the number of hectares that could be irrigated by the irrigation system. In other words, this indicator measures the capacity of the irrigation system, but not the actual number of hectares being irrigated. It will be reported on once an irrigation system is completed.
	Output	Irrigation perimeters are rehabilitated and constructed	Construction and rehabilitation completed-Konni	Date of final contractor-delivery and MCA-approval of the irrigation infrastructures and user materials	Date	None	Hand-over Certificates	MCA-Niger Irrigation and Infrastructure Manager	Once	Target to be set upon proposed or revised work plan by contractors. Contractor not yet hired for SK2
	Output	Irrigation perimeters are rehabilitated and constructed	Construction and rehabilitation completed-SK2	Date of final contractor-delivery and MCA-approval of the irrigation infrastructures and user materials	Date	None	Hand-over Certificates	MCA-Niger Irrigation and Infrastructure Manager	Once	Target to be set upon proposed or revised work plan by contractors. Contractor not yet hired for SK3

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome	Increased irrigated land	N/A	N/A	N/A	N/A	N/A	N/A	N/A	This result is already covered by the CI AI8, because it is measured as an output per CI guidelines
AI-5	Process	Rehabilitate the Konni irrigation system & develop new irrigated perimeters in the Dosso-Gaya area	Temporary employment generated in irrigation	The number of people temporarily employed or contracted by MCA-contracted construction companies to work on construction of irrigation systems.	Number	Sex (Male, Female)  Niger Age (15-35 years old, Over 35 years old)	Construction contractor reports	MCA-Niger Irrigation and Infrastructure Manager	Annual	

### Project 1: Irrigation and Market Access Project

#### Activity 2: Management Services and Market Facilitation Activity

##### Sub-Activity: Land Tenure Security

Outcome	COFOCOMs have acquired skills to help enforce land rights formalization and land governance	COFOCOMs that receive training and resources support	Number of COFOCOMs (entities) whose members have received minimum required training on rural code and land administration procedures to develop and implement land allocation principles and improve land	Number	None	Communes' annual reports to MCA	Land/RAP Consultants	Annual	
---------	---	--	---	--------	------	---------------------------------	----------------------	--------	--



CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
				administration in targeted communes						
	Outcome	Participants are allocated land with proper documents	Participants with access to irrigated land	The number of people implicated within social accords guaranteeing access to irrigated land for a definite number of years	Number	Niger Irrigation Perimeters (Konni, SK2)  Sex	Occupation Contracts	MCA-Niger Management Services Manager	Annual	We assumed one hectare per person, hence why we did not change the target
L-6	Output	Participants are allocated land with proper documents	Land rights formalized	The number of household, commercial and other legal entities (e.g., NGOs, churches, hospitals) receiving	Number	Niger Irrigation Perimeters	Occupation contract (Konni) and TBD/CO	ONAHA/ Consultant PAR	Quarterly	Note that this result is an outcome in the program logic, but the common indicator is an output.

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
				formal recognition of ownership and/or use rights through certificates, titles, leases, or other recorded documentation by government institutions or traditional authorities at national or local levels.		(Konni, SK2)	FOCOM (SK2)			source documentation is ONAHA for Koni and COFOCOM for SK2:
	Output	Formalization of land rights & registration with clear criteria for land allocation	Perimeters registered	Irrigation perimeters formally registered in the name of the central government	Number	Niger Irrigation Perimeters (Konni, SK2)	Land Title	Department of Land Conservation under the Directorate of State and Cadastral Affairs	Quarterly	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output		Communes formally adopting land allocation principles and criteria	Number of communes in Konni that have issued municipal orders adopting land allocation and principles criteria	Number	None	Municipal Order	ONAHA	Once	No formal allocation expected for SK2
L-5	Output		Parcels corrected or incorporated in land system	The number of parcels with relevant parcel information corrected or newly incorporated into an official land information system (whether a system for the property registry, cadaster or an integrated system).	Parcels	Niger Irrigation Perimeters (Konni, SK2)	Occupation contract (Konni) and Long-term Leases (SK2)	ONAHA	Quarterly	The Sub-Activity will only be working in rural areas, thus the common indicator urban/rural disaggregation will not be included in the M&E plan.
L-4	Output		Conflicts successfully mediated	The number of disputed land and property rights cases that have been resolved by local authorities, contractors, mediators or courts with compact support.	Number	None	Conflict monitoring system	Locally appointed ad hoc grievance resolution committees with support from MCA-Niger/ONAH A	Quarterly	For the purposes of this Compact's program logic, this indicator is considered an Outcome  Also, COFO not yet equipped to collect and analyze these data. Targets will be set during future M&E Plan revisions

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
L-3	Output	COFOCOMs receive training and resources support	Stakeholders trained	The number of public officials, traditional authorities, project beneficiaries and representatives of the private sector, receiving formal on-the-job land training or technical assistance regarding registration, surveying, conflict resolution, land allocation, land use planning, land legislation, land management or new technologies.	Number	Sex (Male, Female)	Project training records compiled by contractors and subject to verification	MCA-Niger consultant/ Land Team	Quarterly	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output		COFOCOM officials that receive training and resources support	Number of COFOCOM officials (government) that receive training on rural code and land administration procedures to develop and implement land allocation principles and improve land administration in targeted communes	Number	None	Consultant training reports	MCA-Niger consultant/ Land Team	Quarterly	COFOCOM land training is composed of a general training for all COFOCOM members, plus more advanced trainings for specific subsets of the COFOCOMs. This indicator will count all participants in the general training and a participant if they only attend one of the specialized trainings but did not attend the general training. A participant should not be counted multiple times even if they participate in the general training and an advanced training. The general training will be held over three days and addresses: <ul style="list-style-type: none"> <li>• The legal and regulatory framework of rural land management;</li> <li>• Conduct and management of the land security process;</li> <li>• Keeping and archiving land documents; <ul style="list-style-type: none"> <li>• Land conflict management mechanisms.</li> </ul> </li> </ul>

## Activity 2: Management Services and Market Facilitation Activity

### Sub-Activity: Sustainable Management of Irrigation Systems

	Outcome	iWUAs are functional & have acquired management skills	iWUAs that self-finance with fees covering assigned operations, maintenance, and	Number of iWUAs that contribute 100 percent of assigned operations, maintenance, and rehabilitation (O&M&R) costs	Number	None	Contractor Annual Report and iWUA records	Sustainable Management of Irrigation Systems contractor	Annual	The target for this indicator in the Compact was 5 (1 for Konni and 4 for SK2), but now only 1 for Konni is expected
--	---------	--	--	---	--------	------	---	---	--------	--

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
			rehabilitation							
	Outcome		Rate of collection of water fees	Percent of (each individual) irrigation water user association members that are paying their fees in full and on time	Percentage	None	iWUAs with ONAHA oversight	iWUAs with ONAHA oversight	Annual	<p>Will be collected by whomever is in charge of fund management</p> <p>This indicator will be additionally calculated using the percent deviation calculation type because an actual that greatly exceeds the target may be as indicative of poor management as an actual that falls short of the target. Percent deviation is calculated using the following formula: <math>100 *  Actual - Target  / Target</math> and a percent deviation of 0% is ideal. This calculation will be added in the notes field since percent complete formula must be used in the corresponding field for all indicators.</p>

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome		Rate of investment from water fees in operation management	Proportion of collected fees that are used for operation management	Percentage	None	ONAHA and contractor's reports	ONAHA	Annual	Can't be collected until after iWUAs are installed, this should begin in the 7th quarter  This indicator will be calculated using the percent deviation calculation type because an actual that greatly exceeds the target may be as indicative of poor management as an actual that falls short of the target. Consultant will work with iWUAs to set yearly budget for operations management. Target to be set: as soon as iWUAs statutes are completed and adopted, late 2021 or early 2022
	Outcome		iWUAs prepare financial reports and annual budgets	Number of financial reports and annual budgets (submitted once/year) by the iWUAs	Number	None	MCA  consultant report	iWUAs with ONAHA oversight	Annual	
	Outcome	ONAHA has improved institutional capacity & clearly defined role to provide oversight to iWUAs	iWUA management perceives that ONAHA has technical capacity to support	Percent of iWUA management which perceives that ONAHA has technical capacity to support them in the management of the system	Percentage	None	MCA consultant report	MCA-Niger Management Services Manager	Annual	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
			them in the management of the system							
	Output	iWUAs are created and trained in management techniques	iWUAs created	Number of iWUAs created	Number	Niger Irrigation Perimeters (Konni, SK2)	MCA consultant report	Sustainable Management of Irrigation Systems contractor	Quarterly	“Created” is defined as carrying out all the processes that will lead to the establishment of the different components (general assembly, executive committee, control committee) by the members
	Output		iWUA management trained	Number of iWUA management members who have received management technique skills training	Number	None	Sustainable Management of Irrigation Systems report	Sustainable Management of Irrigation Systems contractor	Quarterly	Trainings will commence in 2020. A detailed definition for "trained" will be agreed upon with the consultant in 2019.
	Process	ONAHA’s role in irrigated perimeters is modified in accordance with 2016 decree	The role of the perimeter director is modified for ONAHA to become supervisor of the irrigation water user associations’ performance	Date the perimeter director role is modified for ONAHA to become official supervisor of the water user associations’ performance and resource management	Date	None	Signed entity agreement	MCA-Niger  (Manager Services Lead)	Once	ONAHA's roles and responsibilities are being drafted along with iWUAs'. We should have a target set for this by end of 2021 or early 2022



CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
---------	-----------------	--------	----------------	------------	-----------------	----------------	---------------------	-------------------	------------------------	------------------------

management

Project 1: Irrigation and Market Access Project

Activity 2: Management Services and Market Facilitation Activity

Sub-Activity: Agricultural Support Services

AI-11	Outcome	Participants apply improved natural resource management techniques (soil, ground, water, forests, rivers)	Farmers who have applied improved practices as a result of training	The number of primary sector producers (farmers, ranchers, fishermen, and other primary sector producers) that are applying new production or managerial techniques introduced or supported by MCC training or technical assistance, such as input use, production techniques, irrigation practices, post-harvest treatment, farm management techniques, or marketing strategies.	Number	Niger Irrigation Perimeters (Konni, SK2)  Sex (Male, Female)  Niger Age (15-35 years old, Over 35 years old)	Agricultural Support Services contractor report	Agricultural Support Services contractor	Annual	The indicator name is required to be the common indicator name, but the corresponding indicator in the SAA RFQ is "Applied improved production practices." The definition is required to be the common indicator definition, but a more detailed definition of what it means to apply improved practices in Niger needs to be included here. Definition will be added upon agreement with SAA contractor.
		Producers apply improved agricultural practices & gain better access to market								

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
AI-12	Outcome		Hectares under improved practices as a result of training	The number of hectares on which farmers are applying new production or managerial techniques introduced or supported by MCC, such as input use, production techniques, irrigation practices, post-harvest treatment, farm management techniques, or marketing strategies.	Hectares	Niger Irrigation Perimeters (Konni, SK2)  Sex (Male, Female)	Agricultural Support Services contractor report	Agricultural Support Services contractor	Annual	
AI-13	Outcome		Enterprises that have applied improved techniques	The number of rural enterprises; producer, processing, and marketing organizations; water users associations; trade and business associations; and community-based organizations that are applying managerial or processing techniques introduced or supported by MCC.	Number	Niger Irrigation Perimeters (Konni, SK2)  Sex (Male, Female)	Agricultural Support Services contractor report	Agricultural Support Services contractor	Annual	The disaggregation should measure female vs. male ownership.  The institutions that will feed into this indicator will be based on implementation plans by the Agricultural Support Services contractor.

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome	Members of cooperatives have improved access to member services	Cooperatives providing key services to membership	Percentage of cooperatives or producer organizations that provide at least 3 key services to its members (inputs, access to credit, sales/marketing, or post-harvest services).	Percentage	None	Agricultural Support Services contractor report	Agricultural Support Services contractor	Annual	
	Outcome	Producers have acquired functional numeracy, literacy & basic knowledge in nutrition and hygiene	Trained participants who pass the literacy test	Participants who successfully participate in two phases of the program and receive certificates	Number	Niger Irrigation Perimeters (Konni, SK2)  Sex (Male, Female)	Agricultural Support Services contractor report	Agricultural Support Services contractor	Quarterly	This indicator is in the Niger Compact document. The indicator has been refined to focus on literacy. The original name of the indicator was "Men, women and youth participants with improved knowledge from management services." Note that the result from the Compact document that the indicator intends to measure has also been refined.
						Niger Age (15-35 years old, Over 35)				

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
						years old)				
	Outcome	Producers have acquired improved production technologies and practices	Farmers with proven skills in improved production technologies and practices	The number of primary sector producers (farmers, ranchers, fishermen, and other primary sector producers) that can list and explain new production or managerial techniques introduced or supported by MCC training or technical assistance, such as input use, product	Number	Niger Irrigation Perimeters (Konni, SK2)  Sex (Male, Female)	Agricultural Support Services contractor report	MCA-Niger Management Services Manager	Annual	
						Niger Age (15-35 years old, Over 35 years old)				
	Outcome	Women and youth increase their savings and access to loans	Participants with access to credit	Number of women and youths who have acquired access to financial loans as a result of their	Number	Niger Irrigation Perimeters	Agricultural Support Services	MCA-Niger Management Services Manager	Annual	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
				participation in the program		(Konni, SK2)	contractor report			
						Sex (Male, Female)				
						Niger Age (15-35 years old, Over 35 years old)				
	Outcome	Greater participation of women and youth in formal producer groups and cooperatives	Share of women and youth in group memberships	Percentage of cooperative and group members who identify as women or youth	Percentage	Niger Irrigation Perimeters (Konni, SK2)	Agricultural Support Services contractor report	MCA-Niger Management Services Manager	Annual	
						Sex (Male, Female)				

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome	Participants have acquired knowledge in natural resources management	Farmers with proven natural resource management skills	Number of training participant farmers who successfully graduated from training on natural resource management techniques	Number	Niger Age (15-35 years old, Over 35 years old) Konni/SK2 Sex	Agricultural Support Services contractor report	MCA-Niger Management Services Manager	Quarterly	
	Outcome	Women & youth increased their	Savings and loans groups that have	Number of savings and loans groups that have achieved maturity and graduated from the	Number	Niger Irrigation Perimet	Agricultural Support Services	Agricultural Support	Quarterly	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
		savings & access to loans	achieved maturity and graduated from the program	program. This means that they have participated in a 12 month cycle and have an average yield of 29 percent.		ers (Konni, SK2)	contractor report	Services contractor		
	Output	New and existing cooperatives receive capacity development training in management of service delivery	Cooperatives trained	Number of new and existing cooperatives whose management teams have attended a minimum required training sessions in management of service delivery	Number	Konni/SK2	Agricultural Support Services contractor report	MCA-Niger Management Services Manager	Quarterly	
	Output	Producers trained in adult functional literacy, numeracy nutrition and hygiene	Producers trained in numeracy, literacy, hygiene and nutrition	Number of producers who have participated in a minimum required sessions of training in literacy, numeracy, nutrition and hygiene in the implementation sites	Number	Konni/SK2 Sex	Agricultural Support Services contractor report	MCA-Niger Management Services Manager	Quarterly	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output	ONAHA and relevant institutions receive capacity building and training	Agriculture stakeholders trained	The number of public officials (ONAHA, regional and municipal ag sector oversight officials, etc.) receiving formal on-the-job training or technical assistance regarding iWUA oversight, Cooperatives' oversight, agriculture surveying, enforcement of regulations and legislation, oversight in the use of new technologies.	Number	Konni/SK2	Agricultural Support Services contractor report	MCA-Niger Management Services Manager	Quarterly	
AI-6	Output	Participants trained in sustainable natural resource management  Producers trained in improved production techniques, on-farm practices & value added	Farmers trained	The number of primary sector producers (farmers, ranchers, fishermen, and other primary sector producers) receiving technical assistance or participating in a training session (on improved production techniques and technologies, including post-harvest interventions, developing business, financial, or marketing planning, accessing credit or finance, or	Number	Niger Irrigation Perimeters (Konni, SK2)  Sex (Male, Female)  Niger Age	Agricultural Support Services contractor report	Agricultural Support Services contractor	Quarterly	Primary production: Producers will be trained in improved agriculture practices, including crop rotation, soil conservation, integrated pest management, improved agricultural calendar planning, use of improved agricultural inputs (fertilizer/seeds), use of water saving technologies  Value-added and post-harvest: improved harvest and post-harvest marketing, value-added transformation, introduction of mechanization and new technologies.



CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
		post-harvest production		accessing input and output markets).		(15-35 years old, Over 35 years old)				
	Output		Women trained in improved productive activities	Number of women who have completed the minimum required training in improved and innovative primary production and processing (as defined in the contractor's curriculum)	Number	Niger Irrigation Perimeters (Konni, SK2)	Agricultural Support Services contractor report	Agricultural Support Services contractor	Quarterly	
	Output		Participants that completed a literacy course	Number of participants who completed the two phase literacy program and took the final assessment (literacy competency)	Number	Niger Irrigation Perimeters (Konni, SK2)  Sex (Male, Female)  Age groups	Agricultural Support Services contractor report	Agricultural Support Services contractor	Quarterly	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output	Women and youth trained in savings, loan methodologies & financial management	Women trained in village savings and loan program	Number of women trained in the village savings and loan program	Number	Niger Irrigation Perimeters (Konni, SK2)	Agricultural Support Services contractor report	Agricultural Support Services contractor	Quarterly	
	Process	N/A	Demonstration plots installed	Number of demonstration plots installed in irrigation perimeter (for 2 seasons)	Number	Niger Irrigation Perimeters (Konni, SK2)	Agricultural Support Services contractor report	Agricultural Support Services contractor	Quarterly	
	Process	N/A	Innovation plots installed	Number of innovation plots installed in irrigation perimeter (for 2 seasons)	Number	Niger Irrigation Perimeters (Konni, SK2)	Agricultural Support Services contractor report	Agricultural Support Services contractor	Quarterly	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Process	N/A	Demonstration sites installed for women	Sites of demonstration for transformation installed outside of the irrigation perimeter for women	Number	Niger Irrigation Perimeters (Konni, SK2)	Agricultural Support Services contractor report	Agricultural Support Services contractor	Quarterly	This will take place outside the irrigation perimeter, but technically still within the two regions.
<b>Activity 3: Roads for Market Access</b>										
	Outcome	Improved road conditions	Roughness	The measure of the roughness of the road surface, in meters of height per kilometer of distance traveled	Meters per kilometer	Niger Road Sections (RN-35, RN-7, Rural Road)	Oversight Contractor	MCA-Niger Road and Infrastructure Manager	Once	This is the International Roughness Index (IRI).  The Ministry of Infrastructures does not currently possess a database on the International Roughness Index and it is unclear if the supervisory firm will collect this information.
R-8	Output	Roads improvements completed	Kilometers of roads completed	The length of roads in kilometers (measured regardless of number of	Kilometers	Niger Road Section	Hand-over Certificates	MCA-Niger Road and	Quarterly	For the sake of common indicator reporting, RN7 is considered a primary

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
				lanes) on which an MCC investment is complete (certificates handed over and approved).		s (RN-35, RN-7, Rural Road)		Infrastructure Manager		road, RN35 a secondary, and the Sambera Rural Road a tertiary
R-13	Output	Road improvement completed	Lane-kilometers completed	The length of lanes in kilometers on which MCC investment is complete (certificates handed over and approved).	Kilometers	Niger Road Sections (RN-35, RN-7, Rural Road)	Construction contractor	MCA-Niger Road and Infrastructure Manager	Quarterly	
R-15	Output	Road improvement completed	As-built drawings received	Date by which all as-built drawings have been received and saved by MCC	Date	None	Evaluator	M&E Lead	Once	<i>Data will not be available until the very end of the compact</i>
R-7	Process	N/A	Temporary employment generated	The number of people temporarily employed or contracted by MCA-	Number		Construction Contractor	MCA-Niger Road and	Quarterly	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
			in road construction	contracted construction companies to work on MCC roads investments.		Sex (Male, Female)	Quarterly Reports	Infrastructure Manager		
R-12	Process	TBD	Vehicle operating cost files saved	Date by which the vehicle operating cost files have been received and saved by MCC	Date	None	Evaluator	M&E Lead	Once	
R-6	Process	Rehabilitate & develop the roads serving the perimeter	Kilometers of roads under works contracts	The length of roads in kilometers (measured regardless of number of lanes) under works contracts for MCC roads investments.	Kilometers	Niger Road Sections (RN-35, RN-7, Rural Road)	Signed contracts	MCA-Niger Road and Infrastructure Manager	Quarterly	Contract also includes performance-based maintenance period of 36 months over the entire length of RN7, which totals 157km)  For RN35 the contract also includes the 36 months perf-based maintenance period over 187km)  For RR, maintenance will be community-based

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
---------	-----------------	--------	----------------	------------	-----------------	----------------	---------------------	-------------------	------------------------	------------------------

R-3	Process		Kilometers of roads under design	The length of roads in kilometers (measured regardless of number of lanes) under design contracts.	Kilometers	Niger Road Sections (RN-35, RN-7, Rural Road)	Signed contracts	MCA-Niger Road and Infrastructure Manager	Quarterly	
-----	---------	--	----------------------------------	--	------------	---	------------------	---	-----------	--

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output	Road maintenance regime is established and enforced	Road maintenance funds transferred to the FER	Amount of road maintenance funds transferred directly and in full from all defined sources to the FER in accordance with the 06 July 2018 decree specifying the Statues of the FER	CFA Francs	None	GENiS contracts	MCA-Niger Road and Infrastructure Manager	Quarterly	
	Output		Funding for GENiS Maintenance Contracts deposited in designated account	The total amount (in FCFA) deposited in the special account designated for the GENiS Maintenance Contracts for RN35 and RN7	CFA Francs	None	GENiS contracts	MCA-Niger Road and Infrastructure Manager	Quarterly	Targets to be provided by MCA-N
	Output		Value of equipment provided	The total value (in FCFA) of the maintenance equipment provided for the community-based maintenance scheme of the Sambera Rural Road	CFA Francs	Funding Source	FER	MCA-Niger Road and Infrastructure Manager	Annual	Targets to be provided by MCA-N
	Output		Road maintenance reform adopted	The date the government adopts the road maintenance reform including: (i) the establishment of a Second Generation Road Maintenance Fund; (ii) a functional	Date	None	Government Decree/Ordinance	MCA-Niger Road and Infrastructure Manager	Once	Under definition, by “government adopts” we meant “the maintenance regime that is validated and approved by all stakeholders” Under Primary Source, on June 15, 2017 key stakeholders (including UC-PMC, MCC and Ministry of Infrastructures) approved the proposed road maintenance

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
				Road Maintenance Agency; (iii) an Independent Auditor for road maintenance funds; and (iv) a Plan acceptable to MCC for the community based maintenance regime for the Sambera Rural Road						approach by GENiS/D-BOM – according to meeting minutes from June 15, 2017
	Process	Promotion of policy reform for road maintenance	The plan for sustainable road maintenance is approved by MCC	Date on which MCC approves the proposed Plan	Date	None	Approval documents	MCA-Niger Road and Infrastructure Manager	Once	

#### Activity 4: Policy Reform Activity

##### Sub-Activity: Fertilizer Distribution Reform Sub-Activity

	Outcome	More efficient fertilizer provision	Agro dealers with sufficient amounts of fertilizers before farming season	Total number of registered agro dealers who have acquired needed amounts of fertilizers to meet the demand prior to the the farming season	Number	None	IFDC (first) COTEN (later)	MCA-Niger PR Manager	Annual	Move CAIMA out of the process, so farmers can buy directly from distributors (PROCUREMENT NO LONGER NEEDED)
--	---------	-------------------------------------	---	--	--------	------	----------------------------	----------------------	--------	--



CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome	More market based pricing	Price comparison of fertilizers	Percent difference in fertilizer prices between Niger and regional average (including applicable taxes and tariffs)	Percentage	Type of Fertilizer	IFDC (first) COTEN (later)	MCA-Niger PR Manager	Annual	
	Outcome	Needs-based subsidies (only to low-income farmers)	E-voucher recipients	Number of farmers reached by the e-voucher system managed by COTEN and OMEN	Number	Sex	IFDC (first) COTEN (later)	MCA-Niger PR Manager	Quarterly	
	Outcome	Increased presence of input & output traders	Number of registered traders	Total number of government-registered farming input and output traders (big, medium-size and small)	Number	Type of Trader	IFDC (first) COTEN (later)	MCA-Niger PR Manager	Annual	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome	Greater number of small fertilizer vendors	Quantity of fertilizers imported	Aggregate quantities of fertilizers imported by private sector actors, and which have entered the country through official entry points (custom posts, phytosanitary posts, etc.)	Tons	Types of Fertilizers	IFDC (first) COTEN (later)	MCA-Niger PR Manager	Annual	New indicator
	Outcome	Greater number of small fertilizer vendors	Fertilizer distributors trained	Total number of officially registered fertilizer distributors providing direct inputs to farmers, and who have participated in at least the minimum required training sessions on the e-voucher mechanism and on improved management of input stocks	Number	Sex	IFDC (first) COTEN (later)	MCA-Niger PR Manager	Annual	
			Fertilizers sold	Aggregate quantities of fertilizers sold by private sector actors (including local retailers) to farmers	Tons	Types of Fertilizers	IFDC (first) COTEN (later)	MCA-Niger Management Services Manager	Annual	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Process	Conduct a comparative study for reform options; choose appropriate reform options and develop; Develop reform options to include small vendors and vulnerable farmers	Comparative study completed	Date the final report is received and approved	Date	None	Approval documents	MCA-Niger PR Manager	Once	No longer applicable (study completed around 2018/2019). So indicator met
	Process	Develop criteria for identifying vulnerable farmers	Criteria developed	Date of approval of vulnerable farmer identification criteria	Date	None	Approval documents	MCA-Niger PR Manager	Once	Indicator met (Damiana to share report)
	Process	N/A	Fertilizer sector reform approved	Fertilizer sector reform approved by the government	Date	None	Approval documents	MCA-Niger PR Manager	Once	
	Process	N/A	COTEN installed	COTEN installed	Date	None	Approval documents	MCA-Niger PR Manager	Once	
	Process	N/A	OMEN installed	OMEN installed	Date	None	Approval documents	MCA-Niger PR Manager	Once	
	Process	N/A	Decree/ordinance adoption of CAIMA	Date of Government's Decree or Ordinance officially adopting CAIMA reform approach	Date	None	Government Decree/Ordinance	MCA Niger	Once	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
---------	-----------------	--------	----------------	------------	-----------------	----------------	---------------------	-------------------	------------------------	------------------------

Activity 4: Policy Reform Activity

Sub-Activity: Statistical Capacity Development Sub-Activity

	Outcome	Data producers have improved skills in data collection and analysis	Data producers with improved skills	Percent of data producers who have attended and completed minimum required trainings	Percentage	Sex	Contractor reports	MCA-Niger PR Manager	Annual	Will set target when consultant is hired, aiming for 2022
	Outcome	Decision makers understand data usefulness and usage	Decision makers with data usefulness and usage training	Percent of decision makers who have attended and completed the minimum required trainings in data usefulness and usage	Percentage	Sex	Contractor reports	MCA-Niger PR Manager	Annual	Will set target when consultant is hired, aiming for 2022

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome	Data management system is functional and open to the public	Public access granted	Date on which the data management system is officially open to public	Date	none	Contractor reports	MCA-Niger PR Manager	Once	
	Outcome	Data auditing system is functional	First audit report submitted	Date of submission of the first audit report drawn from the Program-funded audit system	Date	None	Auditor Deliverable	MCA-Niger PR Manager	Once	
	Output	Create or update data management system	Data management system is created	Date on which the data management system becomes operational	Date	None	Contractor reports	MCA-Niger PR Manager	Once	
	Output	Application (or implementation) of the law on Open Data	Open Data law implemented	Date of decree formally applying the Open Data law	Date	None	TBD	MCA-Niger PR Manager	Once	
	Output	Adaptative management protocol developed	Adaptive management protocol approved	Date of formal approval of the adaptive management protocol	Date	None	Contractor reports	MCA-Niger PR Manager	Once	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output	Train data producers on data quality	Data producers trained	Total number of data producers who have attended minimum required training sessions/modules on data collection, data handling and data quality protocols	Number	Sex	Contractor reports	MCA-Niger PR Manager	Quarterly	Will set target when consultant is hired, aiming for 2022
	Output	Establish an audit system for SSN data	Audit system established	Date on which the SSN data audit system becomes operational	Date	None	Contractor reports	MCA-Niger PR Manager	Once	Will set target when consultant is hired, aiming for 2022
	Output	Train auditors in SSN data	Auditors trained	Total number of auditors who have attended minimum required training sessions/modules on SSN data	Number	Sex	Contractor reports	MCA-Niger PR Manager	Quarterly	Will set target when consultant is hired, aiming for 2022
	Process	N/A	Needs assessments for statistical capacity	Date of completion of needs assessments for statistical capacity	Date	None	Contractor reports	MCA Contractor	Once	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
---------	-----------------	--------	----------------	------------	-----------------	----------------	---------------------	-------------------	------------------------	------------------------

Project 2: Climate-Resilient Communities Project

Activity 1: Climate-Resilient Agriculture Activity

Sub-Activity 1: ICRIPs Sub-Activity

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
AI-12	Outcome	Producers and herders have improved access to more productive land & better integration between agriculture and livestock	Hectares under improved practices as a result of training	The number of hectares on which farmers are applying new production or managerial techniques introduced or supported by MCC, such as input use, production techniques, irrigation practices, post-harvest treatment, farm management techniques, or marketing strategies.	Hectares	None	Surveys Service Providers	MCA - Niger CRA	-Once	
	Outcome	Producers have reliable access to water for agriculture production especially in the dry season	Communes with increased access to water for irrigation	Number of communes with irrigation systems built or rehabilitated by the program	Number	None	Annual CRA report of the ICRIP Consultant	MCA - Niger CRA	Annual	If ICRIPs do not apply, indicators could be retired or modified

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome	Producers Farmers apply improved practices for sustainable agriculture production	Farmers applying improved practices	Number of farmers who have applied improved practices for sustainable agriculture production (according to contractor's and MCA's criteria)	Number	sex (male and female)	CRA activities report	Manager CRA	Annual	Will set target when consultant is hired, aiming for 2022
	Outcome	Land resources are sustainably managed by the communities	Hectares recovered and restored under the sub-ICRIPs	Number of hectares that have been restored and put under responsibility of Management Committees	Number	None	CRA activities report	Manager CRA	Annual	Report to come in around August
L-3	Output	Land resources are sustainably managed by the communities	Stakeholders trained	The number of public officials, traditional authorities, project beneficiaries and representatives of the private sector, receiving formal on-the-job land training or technical assistance regarding registration, surveying, conflict resolution, land allocation, land use planning, land legislation, land	Number	None	CRA activities report	Manager CRA	Quarterly	Report to come in around August



CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
				management or new technologies.						
AI-11	Outcome	Farmers apply improved practices for sustainable agriculture production	Farmers who have applied improved practices as a result of training	The number of primary sector producers (farmers, ranchers, fishermen, and other primary sector producers) that are applying new production or managerial techniques introduced or supported by MCC training or technical assistance, such as input use, production techniques, irrigation practices, post-harvest treatment, farm management techniques, or marketing strategies	Number	Sex	CRA activities report	Manager CRA	Quarterly	
	Output	Small Scale Irrigation is built or developed	Hectares of land under irrigation	Number of hectares covered by small scale irrigation systems developed through Sub Icrips	Number	None	Annual CRA report of the ICRIP Consultant Final report from Construction Company	MCA - Niger CRA	Annual	If ICRIPs do not apply, indicators could be retired or modified Will set target when consultant is hired, aiming for 2022

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output	Community-based management committees are formed to sustainably manage land use	Management committees formed	Number of community-based management communities formed to ensure sustainable land management in their communes	Number	None	CRA activities report	Manager CRA	Annual	Report to come in around August
AI-6	Output	Producers & herders trained in sustainable land management	Farmers trained	The number of primary sector producers (farmers, ranchers, fishermen, and other primary sector producers) receiving technical assistance or participating in a training session (on improved production techniques and technologies, including post-harvest interventions, developing business, financial, or marketing planning, accessing credit or finance, or accessing input and output markets).	Number	Sex	CRA activities report	Manager CRA	Quarterly	
	Process	ICRIPS are developed through	Sub-ICRIPs funded	Total number of sub-ICRIPs approved and financed by MCA	Number	None	Annual CRA report of the	MCA - Niger CRA	Annual	Each of the 16 CRA communes will have one ICRIP, which will be composed of multiple financing investments, referred

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
		consultation, validated by commune governments and approved by MCC					ICRIP Consultant			to as sub-ICRIPs. There is no limit on the number of sub-ICRIPs that may be included in an ICRIP; however, the total budgeted estimate of all sub-ICRIPs within an ICRIP should not exceed \$2 million. By Year 5, feasibility study will be available for reference of targets
	Process	ICRIPS are developed through consultation, validated by commune governments and approved by MCC	Communes with all design and feasibility studies for sub-ICRIPs completed	The number of communes that have completed all design and feasibility studies of potential sub-ICRIPs	Number	None	Annual CRA report of the ICRIP Consultant	MCA-Niger CRA	Annual	

### Sub-Activity 2: Grants Facility Sub-Activity

	Outcome	Additional funds leveraged	Amounts leveraged (co-financing)	Total value of grantee cash and/or in-kind contributions, grants, and/or loans received and counted as co-financing contribution by participating grantee types	US Dollars	Grantee types Project category; Source type (Financial institution, Other grants)	USADF status reports	USADF	Quarterly	Note that USADF will be reporting for most indicators indicators on a semi-annual basis. Except where otherwise noted, indicators with a Quarterly frequency will be reported semi-annually with data disaggregated by quarters.
--	---------	----------------------------	----------------------------------	---	------------	---	----------------------	-------	-----------	--

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
---------	-----------------	--------	----------------	------------	-----------------	----------------	---------------------	-------------------	------------------------	------------------------

	Outcome		Additional and / or follow-on funding leveraged	Total value of additional funding obtained by Grantees to expand project and/or operations and committed by EOC. Additional funding is funding outside grant commitments; can be obtained during implementation or post completion	US Dollars	Grantee types Project category Source type	USADF status reports	USADF	Quarterly	
--	---------	--	---	--	------------	--	----------------------	-------	-----------	--

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output		Storage facilities	Total number of storage facilities built and/or expanded and operational as result of CRA grant	Number	None	USADF status reports	USADF	Quarterly	This indicator intends to capture one of the anticipated types of investments funded by CRA Grants. If this type of investment is not ultimately funded, no reporting on this indicator is required. No targets will be set.
	Output		Storage capacity	Total capacity of storage facilities built and/or expanded and operational as a result of CRA grant	Cubic meters	None	USADF status reports	USADF	Quarterly	This indicator intends to capture one of the anticipated types of investments funded by CRA Grants. If this type of investment is not ultimately funded, no reporting on this indicator is required. No targets will be set.
	Output		Animals fattened	Total number of fattened animals sold through interventions funded by a CRA grant	Number	None	USADF status reports	USADF	Quarterly	This indicator intends to capture one of the anticipated types of investments funded by CRA Grants. If this type of investment is not ultimately funded, no reporting on this indicator is required. No targets will be set.
	Output	Grants and BDS provided	Number of CRA Facility grants completed	Total number of completed projects funded by CRA Grants Facility (i.e. grants have completed all activities described in grant	Number	Grantee types	USADF status reports	USADF	Quarterly	To be reported on quarterly. Once the indicator is no longer relevant, USADF will cease to report.

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output		Number of grant agreements signed	agreement and closed out) Total number of grant facility projects funded via grant agreements with BDS support	Number	Grantee types	USADF status reports	USADF	Quarterly	To be reported on quarterly. Once the indicator is no longer relevant, USADF will cease to report.
	Output		Value of grant agreements signed	Total value of grant facility projects funded via grant agreements with BDS support	US Dollars	Grantee types	USADF status reports	USADF	Quarterly	To be reported on quarterly. Once the indicator is no longer relevant, USADF will cease to report.
	Output		Amount disbursed by CRA Grants Facility	Total value of grants disbursed	US Dollars	Grantee types Project category	USADF status reports	USADF	Quarterly	To be reported on quarterly. Once the indicator is no longer relevant, USADF will cease to report.

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output		Amount disbursed for Grants Facility overhead and technical support	Total value disbursed for grantees' technical support and training	US Dollars	Grantee types Project category	USADF status reports	USADF	Quarterly	To be reported on quarterly. Once the indicator is no longer relevant, USADF will cease to report.
	Output		People associated	Total number of individuals receiving				USADF	Quarterly	No targets for this indicator

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
			with each grant	direct benefits from project (i.e. producers, input buyers, employees, people receiving services)	Number	Grantee types Sex	USADF status reports			
	Output	Grant Facility established	Grant Facility is established and functional	Date of establishment and launching of the Facility	Date	None	Signed agreement	MCA-Niger CRA Manager	Once	
	Output	Grants and BDS provided	Grantees trained	Total number of individual grantee members trained in improved business management practices	Number	Sex	USADF status reports	USADF	Quarterly	
	Process	N/A	Applications received by Grant Facility	Total number of grant applications received	Number	Grantee types	USADF status reports	USADF	Quarterly	To be reported on quarterly. Once the indicator is no longer relevant, USADF will cease to report.
	Process	N/A	Applicants shortlisted for proposal	Total number of applications selected for proposal development	Number	Grantee types	USADF status reports	USADF	Quarterly	



CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
			development							
	Process	N/A	Outreach campaigns for CRA Grants-Round 1	Date of completion of outreach campaigns	Date	None	Campaign reports	MCA-Niger	Once	
	Process	N/A	Outreach campaigns for CRA Grants-Round 2	Date of completion of outreach campaigns	Date	None	Campaign reports	(CRA Manager)	Once	
	Process	N/A	Grant Manager hired	Date of Grant Manager's contract signing	Date	None	Contract documents	MCA-Niger  (CRA Manager)	Once	

Sub-Activity 3: Private Sector Partnership Sub-Activity

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome	Improved agriculture value chains	Agriculture value chain partners	Total number of actors involved in the value chains for one or more beneficiary sectors (from production through consumption)	Number	None	Contract documents	MCA-Niger CRA Manager	Quarterly	<i>We will set a target upon launching of the activity by MCA</i>
	Output	Applicants selected in the three priority sectors (fertilizer, solar energy & ag processing)	Number of grantees	Total number of private sector matching grant beneficiaries	Number	None	Contract documents	MCA-Niger CRA Manager	Quarterly	<i>We will set a target upon launching of the activity by MCA</i>
	Output	Matching grants are provided	Amount provided	Total amount of grants provided to PSP partners	CFA Francs	None	Contract documents	MCA-Niger CRA Manager	Quarterly	<i>We will set a target upon launching of the activity by MCA</i>

## Project 2: Climate-Resilient Communities

### Activity 2: Regional Sahel Pastoralism Support Activity

#### Sub-Activity 1: Animal Health Sub-Activity

Outcome	Improved animal health for bovines and small ruminants	Prevalence of CBPP	Prevalence of contagious bovine pleuropneumonia (CBPP), defined as the number of cases of CBPP detected divided by the total number of animals in the Per	Percentage	Animal (Cattle, Sheep, Goat)	Ministry of Livestock Annual Report	Ministry of Livestock; Direction Generale des Services Veterinaires	Annual
---------	--	--------------------	---	------------	------------------------------	-------------------------------------	---	--------

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome		Prevalence of PPR	targeted animal category Seroprevalence of PPR, defined as the number of cases of PPR detected divided by the total number of animals in the Per targeted animal category	Percentage	Animal (Cattle, Sheep, Goat)	Ministry of Livestock Annual Report	Ministry of Livestock; Direction Generale des Services Veterinaires	Annual	
	Output	Animal diseases control and surveillance system is supported	Vaccination coverage	Number of animals vaccinated against CBPP and PPR within the targeted animal categories in the PRAPs areas	Rates	Disease (CBPP, PPR)	Ministry of Livestock	Ministry of Livestock; Direction Generale des Services Veterinaires	Annual	
	Output	Veterinary capacities strengthened	Veterinarians who complete training or re-training	Number of veterinarians who complete training or re-training	Number	Sex (Male/Female)	SVPP Consultant report	SVPP Consultant	Quarterly	
	Output		<i>Auxiliares d'elevage (AEs)</i> who complete training or re-training	Number of Auxiliares d'elevage (AEs) (veterinary personnel who provide support to the head veterinary) who complete training or re-training	Number	Sex (Male/Female)	SVPP Consultant report	SVPP Consultant	Quarterly	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output		<i>Animatrices villageoises en agriculture et en élevage de petits ruminants (AVA/PR) who complete training or re-training</i>	Number of Animatrices villageoises en aviculture et en élevage de petits ruminants (AVA/PR) who complete training or re-training. AVA/PR provide veterinary support services for small ruminants to the communes.	Number	Sex (Male/Female)	SVPP Consultant report	SVPP Consultant	Quarterly	
	Output		Private veterinaries selected	Number of private veterinaries selected to provide veterinary services to the PRAPs communes. Veterinaries will support the vaccination campaign and offer proximity services to the local communes	Number	Sex (Male, Female)	SVPP Consultant report	SVPP Consultant	Quarterly	
	Output		<i>Auxiliares d'elevage (AEs)selected</i>	Number of auxiliares d'elevage (AEs) selected to provide support for the private veterinaries in the veterinary clinics	Number	Sex (Male/Female)	SVPP Consultant report	SVPP Consultant	Quarterly	

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Output		<i>Animatrices villageoises en aviculture et en élevage de petits ruminants (AVA/PR) selected</i>	Number of Animatrices villageoises en aviculture et en élevage de petits ruminants (AVA/PR) selected to provide support with respect to the care and breeding of small ruminants for the private veterinaries in the veterinary clinics	Number	Sex (Male/Female)	SVPP Consultant report	SVPP Consultant	Quarterly	

## Project 2: Climate-Resilient Communities

### Activity 2: Regional Sahel Pastoralism Support Activity

#### Sub-Activity 2: Corridor Improvement Sub-Activity

Outcome	Communes apply improved management of public natural resources and land tenure security	Communes with social accords	Number of communes that have finalized social accord for pasture land security	Number	None	SVPP Consultant report	MCA-Niger PRAPS Manager	Annual	<i>All but one commune</i>
		Hectares restored and secured	Number of hectares restored along the corridors for pasture land	Hectares	None	SVPP Consultant report	MCA-Niger PRAPS Manager	Quarterly	
Outcome		Areas of grazing land improved	Hectares of grazing land improved	Hectares	None	Ministry of Livestock	<i>Consultant Report*</i>	Annual	<i>Target to be set after hiring consultant, aiming 2022</i>

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome		Distance between functional water points	Average distance between functional water points that are accessible to pastoralists and agro-pastoralists in targeted areas	Kilometers	None	Ministry of Livestock	Consultant report	Annual	
	Output	Water source infrastructure is constructed or rehabilitated	Water sources constructed or rehabilitated	<i>Total number of water sources constructed or rehabilitated for animal consumption</i>	Number	None	SVPP Consultant report	MCA-Niger PRAPS Manager	Quarterly	<i>Target to be set after hiring consultant, aiming 2022</i>
	Output	Rangeland management capacities strengthened (Ops, national & local gov't entites)	Pasture land management trained	Number of Committees de Gestion members trained in land management, natural resource development and management	Number	Sex	SVPP Consultant report	MCA-Niger PRAPS Manager	Quarterly	Target to be set after hiring consultant, aiming 2022

## Project 2: Climate-Resilient Communities

### Activity 2: Regional Sahel Pastoralism Support Activity

#### Sub-Activity 3: Market Infrastructure Sub-Activity

	Outcome	Improved market conditions for herders	Animals sold	Number of animals sold in new and rehabilitated markets	Number	Type of Animal	Ministry of Livestock	Ministry of Livestock; Direction de la Statistique (Systeme d'information	Annual	Target to be set after hiring consultant, aiming 2022
--	---------	--	--------------	---	--------	----------------	-----------------------	---	--------	---

CI Code	Indicator Level	Result	Indicator Name	Definition	Unit of Measure	Disaggregation	Primary Data Source	Responsible Party	Frequency of Reporting	Additional Information
	Outcome		Animals presented for sale	Number of animals presented for sale each year on the constructed or rehabilitated markets	Number	Type of Animal	Ministry of Livestock	Ministry of Livestock; Direction de la Statistique (Systeme d'information sur les Marches a Betail Sim/Betail)	Annual	Target to be set after hiring consultant, aiming 2022
	Output	Livestock market infrastructure constructed or rehabilitated	Markets built or rehabilitated	Number of markets built or rehabilitated as part of Compact investments and according to approved plan	Number	None	SVPP Consultant report	SVPP Consultant	Quarterly	

## ANNEX II: TABLE OF INDICATOR BASELINES AND TARGETS

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				
Project 1: Irrigation and Market Access Project													
Activity 1: Irrigation Perimeter Development Activity													
Project 1: Irrigation and Market Access Project													
Hectares under improved irrigation	Hectares	Cumulative	Konni	0	0	0	1,702	2,452	2,452	2,452	N/A	NORDA DD3, Konni, page 44; STUDI design documents	Konni is expected to be completed towards the end of Year 3, so the command area should have improved access to irrigation by Year 4.
			SK2	0	0	0	0	100	640	640		Document de Projet Sia-Kouanza 2 Juin 2020 (page 53)	Compact Modification for SK2 signed in Sept 2020



Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Total	0	0	0	1702	2,552	3,092	3,092			Compact Modification for SK2 signed in Sept 2021
Construction and rehabilitation completed-Konni	Date	Date	None	N/A	N/A	N/A	N/A	N/A	TBD	TBD	N/A		
Construction and rehabilitation completed-SK2	Date	Date	None	N/A	N/A	N/A	N/A	N/A	TBD	TBD			
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Temporary employment generated in irrigation	Number	Cumulative	Male Female 15-35 years	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	MCC does not set targets for temporary	N/A

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Over 35 years										employment.

## Activity 2: Management Services and Market Facilitation Activity

### Sub-Activity: Land Tenure Security

COFOCOMs that receive training and resources support	Number	Cumulative	-	0	0	5	5	5	5	5	N/A	-	-
Participants with access to irrigated land	Number	Cumulative	Konni	0	0	0	0	991	2,606	2,606			
			Konni- Male	0	0	0	0	932	2,465	2,465			
			Konni- Female	0	0	0	0	59	141	141			
			SK2	0	0	0	0	TBD	TBD	TBD			
			SK2- Male	0	0	0	0	TBD	TBD	TBD			
			SK2- Female	0	0	0	0	TBD	TBD	TBD			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Total	0	0	0	0	991	2,606	2,606			
Land rights formalized	Number	Cumulative	Konni	0	0	0	0	3,400	3,400	3,400			The target for Konni was calculated as follows by the MCC Land Team: there are 2,552 hectares in Konni and each parcel is approximately 0.75 ha, so that makes approximately 3,400 parcels. Assumption that there is approximately one household per parcel. MCC Land does not

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				
			SK2	0	0	0	0	640	640	640		-	know how the SK2 number was derived. No targets will be set by gender-
			Total	0	0	0	0	4,040	4,040	4,040		-	
Perimeters registered	Number	Cumulative	Konni	0	0	0	1	1	1	1	SK2 is based on private properties. No official	There will be 1 title for Konni. There will not be a	.

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			SK2	0	0	0	0	0	0	0	GoN formalization	title in Sia Kouanza	
			Total	0	0	0	1	1	1	1			
Communes formally adopting land allocation principles and criteria	Number	Cumulative		0	0	2	2	2	2	2	N/A	2 commune for Konni and 2 communes for Sia-Kouanza (Sambéra and Tanda).	
Parcels corrected or incorporated in land system	Parcels	Cumulative	Konni	0	0	3,400	3,400	3,400	3,400	3,400	N/A	-	-
			SK2	0	0	0	0	640	640	640			
			Total	0	0	3,400	3,400	4,040	4,040	4,040			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Conflicts successfully mediated	Number	Cumulative	None	0	0	N/A	N/A	TBD	TBD	TBD		No targets will be set for this indicator.	-
Stakeholders trained	Number	Cumulative	Total	0	105	105	105	105	105	105	N/A		N/A
			Male	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			Female	N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				
COFOCOM officials that receive training and resources support	Number	Cumulative	None	0	5	5	5	5	5	5	N/A	See "restitution 10 dec 2018, slides 7 + 8:" Training must occur before the Land Tenure Activity can be operational.	

Activity 2:  
Management Services and Market Facilitation Activity

Sub-Activity:  
Sustainable Management of Irrigation Systems

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				
iWUAs that self-finance with fees covering assigned operations, maintenance, and rehabilitation	Number	Level	N/A	0	0	0	0	1	1	1	N/A	Compact	ONAHA stakeholders concerned that this may be too many. Konni for sure will be 1. For SKT, will know number of iWUAs and target dates after studies are completed. Then targets will be reviewed.
Rate of collection of water fees	Percentage	Level	None	0	0	N/A	N/A	80	100	100	N/A	GDSI manager	This indicator is from sector leads (Damiana and Moussa).  End of Compact target to be determined after



Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				design completion
Rate of investment from water fees in operation management	Percentage	Level	None	0	0	N/A	N/A	TBD	TBD	TBD	N/A	TBD	TBDs will be filled in during the first M&E Plan revision at the end of Year 1.
iWUAs prepare financial reports and annual budgets	Number	Cumulative	None	0	0	0	0	1	2	2			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
iWUA management perceives that ONAHA has technical capacity to support them in the management of the system	Percentage	Level	None	0	0	0	0	100	100	100			
IWUAs created	Number	Cumulative	Konni	0	0	0	1	1	1	1	Compact	Compact	Baselines and targets to be determined after completion of feasibility studies
			Sk2	0	0	0	0	0	0				
			Total	0	0	0	1	1	1	1			
iWUA management trained	Number	Cumulative	None	0	0	0	12	12	12	12	CACG Contractor	Compact	N/A
The role of the perimeter director is modified for ONAHA to become	Date	Date	None	N/A	N/A	TBD	TBD	TBD	TBD	TBD	N/A	TBD (See notes)	Based on the Implementing Entity Agreement to be

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				

supervisor of the irrigation water user associations' performance management

signed between MCA and ONAHA.  
Detailed on the exact date to be determined by both sides

### Project 1: Irrigation and Market Access Project

#### Activity 2: Management Services and Market Facilitation Activity

##### Sub-Activity: Agricultural Support Services

Farmers who have applied improved practices as a result of training	Number	Cumulative	Konni- Male	0	N/A	N/A	N/A	TBD	TBD	N/A	N/A	SAA RFP page 136. There aren't any target by gender or age.	N/A
			Konni- Female	0	N/A	N/A	N/A	TBD	TBD	N/A			
			Konni Total	0	0	0	0	0	1,450	1,450			
			SK2- Male	0	N/A	N/A	N/A	N/A	N/A	N/A			
			SK2- Female	0	N/A	N/A	N/A	N/A	N/A	N/A			
			SK2- Total	0	0	0	0	0	1,800	1,800			
			Age 15-35 years old	0	N/A	N/A	N/A	N/A	N/A	N/A			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Over 35 years	0	N/A	N/A	N/A	N/A	N/A	N/A			
			Total	0	0	0	0	0	3,250	3,250			
Hectares under improved practices as a result of training	Hectares	Cumulative	Konni Total	0	0	0	0	991.63	2,614.82	2,614.82	N/A	TBD	Targets to be set in agreement with the Management Services contractor
			Konni- Male	0	0	0	0	0	TBD	TBD			
			Konni- Female	0	0	0	0	0	TBD	TBD			
			SK2 Total	0	0	0	0	0	TBD	TBD			
			SK2- Male	0	0	0	0	0	TBD	TBD			
			SK2- Female	0	0	0	0	0	TBD	TBD			
			Total	0	0	0	0	991.63	2,614.82	2,614.82			
Enterprises that have applied improved techniques	Number	Cumulative	Konni- Male	0	0	0	N/A	TBD	TBD	TBD			
			Konni- Female	0	0	0	N/A	TBD	TBD	TBD			
			Konni Total	0	0	0	N/A	TBD	TBD	TBD			
			SK2- Male	0	0	0	N/A	TBD	TBD	TBD			
			SK2- Female	0	0	0	N/A	TBD	TBD	TBD			
			SK2- Total	0	0	0	N/A	TBD	TBD	TBD			
			Total	0	0	0	N/A	TBD	TBD	TBD			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Cooperatives providing key services to membership	Percentage	Level	None	TBD	0	0	0	60	60	60	N/A	SAA RFP pg 135	Deliverable identify the number of cooperatives will be available end of 2019
Trained participants who pass the literacy test	Number	Cumulative	Konni Total	0	0	0	N/A	N/A	2,750	2,750			
			Konni- Male	0	0	0	N/A	N/A	N/A	N/A			
			Konni- Female	0	0	0	N/A	N/A	N/A	N/A			
			SK2 Total	0	0	0	0	0	1,500	1,500			
			SK2- Male	0	0	0	0	0	TBD	TBD			
			SK2- Female	0	0	0	0	0	TBD	TBD			
			Age 15-35 years old	0	N/A	N/A	N/A	N/A	N/A	N/A			
			Over 35 years	0	N/A	N/A	N/A	N/A	N/A	N/A			
Total	0	0	0	N/A	N/A	4,250	4,250						
Farmers with proven skills	Number	Cumulative	Konni- Total	0	0	0	0	1,450	1,450	1,450	MCA-Niger		

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
in improved production technologies and practices			Konni- Male	0	0	0	N/A	N/A	N/A	N/A	Management Services		
			Konni- Female	0	0	0	N/A	N/A	N/A	N/A			
			SK2- Male	0	0	0	N/A	N/A	N/A	N/A			
			SK2- Female	0	0	0	N/A	N/A	N/A	N/A			
			SK2- Total	0	0	0	0	900	900	900			
			Age 15-35 years old	0	N/A	N/A	N/A	N/A	N/A	N/A			
			Over 35 years	0	N/A	N/A	N/A	N/A	N/A	N/A			
			Total	0	0	0	0	2,350	2,350	2,350			
Participants with access to credit	Number	Cumulative	Konni Total	0	0	0	0	1,000	1,000	1,000	MCA-Niger Management Services		
			Konni- Male	0	0	0	N/A	N/A	N/A	N/A			
			Konni- Female	0	0	0	N/A	N/A	N/A	N/A			
			SK2 Total	0	0	0	0	125	125	125			
			SK2- Male	0	0	0	N/A	N/A	N/A	N/A			
			SK2- Female	0	0	0	N/A	N/A	N/A	N/A			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes	
Share of women and youth in group memberships	Percentage	Level	Age 15-35 years old	0	N/A	N/A	N/A	N/A	N/A	N/A	MCA-Niger Management Services			
			Over 35 years	0	N/A	N/A	N/A	N/A	N/A	N/A				
			Total	0	0	0	0	1,125	1,125	1,125				
			Konni Total	0	0	0	0	30	30	30				
			Konni- Male	0	0	0	N/A	N/A	N/A	N/A				
			Konni- Female	0	0	0	N/A	N/A	N/A	N/A				
			SK2 Total	0	0	0	0	30	30	30				
			SK2- Male	0	0	0	N/A	N/A	N/A	N/A				
			SK2- Female	0	0	0	N/A	N/A	N/A	N/A				
Farmers with proven natural resource	Number	Cumulative	Age 15-35 years old	0	N/A	N/A	N/A	N/A	N/A	MCA-Niger				
			Over 35 years	0	N/A	N/A	N/A	N/A	N/A					N/A
			Total	0	0	0	0	30	30					30
			Konni Total	0	0	0	0	153	153					153

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
management skills			Konni- Male	0	0	0	N/A	N/A	N/A	N/A	Management Services		
			Konni- Female	0	0	0	N/A	N/A	N/A	N/A			
			SK2 Total	0	0	0	0	112	112	112			
			SK2- Male	0	0	0	N/A	N/A	N/A	N/A			
			SK2- Female	0	0	0	N/A	N/A	N/A	N/A			
			Age 15-35 years old	0	N/A	N/A	N/A	N/A	N/A	N/A			
			Over 35 years	0	N/A	N/A	N/A	N/A	N/A	N/A			
			Total	0	0	0	0	265	265	265			
Savings and loans groups that have achieved maturity and graduated from the program	Number	Cumulative	Konni	0	0	0	0	80	80	80	CoWater Contract		
			SK2	0	0	0	0	10	10	10			
			Total	0	0	0	0	90	90	90			
Cooperatives trained	Number	Cumulative	Konni	0	0	0	0	48	48	48	CoWater Contract		
			SK2	0	0	0	0	22	22	22			
			Total	0	0	0	0	70	70	70			



Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 <i>Jan-18 to Dec-18</i>	Year 2 <i>Jan-19 to Dec-19</i>	Year 3 <i>Jan-20 to Dec-20</i>	Year 4 <i>Jan-21 to Dec-21</i>	Year 5 <i>Jan-22 to Jan-23</i>	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Producers trained in numeracy, literacy, hygiene and nutrition	Number	Cumulative	Konni Total	0	0	0	0	5,500	5,500	5,500	CoWater Contract		
			Konni- Male	0	0	0	N/A	N/A	N/A	N/A			
			Konni- Female	0	0	0	N/A	N/A	N/A	N/A			
			SK2 Total	0	0	0	0	3,000	3,000	3,000			
			SK2- Male	0	0	0	N/A	N/A	N/A	N/A			
			SK2- Female	0	0	0	N/A	N/A	N/A	N/A			
			Age 15-35 years old	0	N/A	N/A	N/A	N/A	N/A	N/A			
			Over 35 years	0	N/A	N/A	N/A	N/A	N/A	N/A			
			Total	0	0	0	0	8,500	8,500	8,500			
Agriculture stakeholders trained	Number	Cumulative	Konni	0	0	0	0	12	12	12	MCA-Niger Management Services		
			SK2	0	0	0	0	12	12	12			
			Total	0	0	0	0	24	24	24			
Farmers trained	Number	Cumulative	Konni- Male	0	N/A	N/A	N/A	TBD	TBD	TBD	N/A	SAA RFP pg 133,135	N/A

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Konni- Female	0	N/A	N/A	N/A	TBD	TBD	TBD		PAPs inside perimeter: based on the estimated PAPs - Konni baseline report, Sia-Kouzana - from an estimation (ESIA is being done now, will have more accurate estimates in late summer 2018)	
			Konni Total	0	0	1,400	3,050	4,834	4,834	4,834			
			SK2- Male	0	0	N/A	N/A	N/A	TBD	TBD			
			SK2- Female	0	0	N/A	N/A	N/A	TBD	TBD			
			SK2- Total	0	0	N/A	N/A	3,000	3,000	3,000			
			Age 15-35 years old	0	N/A	N/A	N/A	TBD	TBD	TBD			
			Over 35 years	0	N/A	N/A	N/A	TBD	TBD	TBD			
			Total	0	0	1,400	3,050	7,834	7,834	7,834			
Women trained in improved productive activities	Number	Cumulative	Konni	0	0	700	1,400	1,400	1,400	1,400	N/A	SAA RFP pg 134,135	N/A
			SK2	0	0	N/A	N/A	625	625	625			
			Total	0	0	700	1,400	2,025	2,025	2,025			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Participants that completed a literacy course	Number	Cumulative	Konni- Male	0	0	1,800	2,500	2,500	2,500	2,500	N/A	SAA RFP pg 133	N/A
			Konni- Female	0	0	2,000	3,000	3,000	3,000	3,000			
			Konni Total	0	0	3,800	5,500	5,500	5,500	5,500			
			SK2- Male	0	0	N/A	1,200	1,400	1,400	1,400			
			SK2- Female	0	0	N/A	1,300	1,600	1,600	1,600			
			SK2 Total	0	0	0	2,500	3,000	3,000	3,000			
			Age 15-35 years old	0	N/A	N/A	N/A	TBD	TBD	TBD			
			Over 35 years	0	N/A	N/A	N/A	TBD	TBD	TBD			
			Total	0	0	3,800	8,000	8,500	8,500	8,500			
Women trained in village savings and loan program	Number	Cumulative	Konni	0	0	0	0	1,400	1,400	1,400	CoWater Contract	TBD	Targets to be set in agreement with the Management Services contractor
			SK2	0	0	0	0	175	175	175			
			Total	0	0	0	0	1,575	1,575	1,575			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Demonstration plots installed	Number	Cumulative	Konni	0	0	45	100	160	160	160	N/A	SAA RFP pg 134,135	N/A
			SK2	0	0	N/A	N/A	85	85	85			
			Total	0	0	45	100	245	245	245			
Innovation plots installed	Number	Cumulative	Konni	0	0	10	20	30	30	30	N/A	SAA RFP pg 133	N/A
			SK2	0	0	N/A	N/A	25	25	25			
			Total	0	0	10	20	55	55	55			
Demonstration sites installed for women	Number	Cumulative	Konni	0	0	20	40	40	40	40	N/A	SAA RFP pg 133	N/A
			SK2	0	0	N/A	N/A	25	25	25			
			Total	0	0	20	40	65	65	65			

### Activity 3: Roads for Market Access

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Roughness	Meters per kilometer	Level	RN-35	16	N/A	N/A	N/A	N/A	8	8	Due Diligence Report and Compact	HDM-4 Model	MCA - Niger will hire a supervising engineer for the works under a performance-based management and maintenance contract.
			RN-7	8	N/A	N/A	N/A	N/A	2	2		(Compact, Annex III-12)	
			Rural Road	14.5	N/A	N/A	N/A	N/A	10	10			
Kilometers of roads completed	Kilometers	Cumulative	RN-35	0	0	0	0	0	183	183	N/A	HDM-4 Model	Road rehabilitation schedule will start after the feasibility study is complete.
			RN-7	0	0	0	0	0	83	83		(Compact, Annex III-12)	

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Rural Road	0	0	0	0	0	37	37			Initial end-of-compact estimates were 82.5km for RN7 and 306.5km for total
			Total	0	0	0	0	0	303	303			
Lane-kilometers completed	Kilometers	Cumulative	RN-35	0	0	0	0	0	187	187			
			RN-7	0	0	0	0	0	83	83			
			Rural Road	0	0	0	0	0	37	37			
			Total	0	0	0	0	0	307	307			
As-built drawings received	Date	Date	None	N/A	N/A	N/A	N/A	N/A	26-Jan-23	26-Jan-23			
Temporary employment generated in road construction	Number	Cumulative	Sex	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Targets are not required for this indicator.	N/A

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Vehicle operating cost files saved	Date	Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Kilometers of roads under works contracts	Kilometers	Cumulative	RN-35	0	0	TBD	179.3	179.3	179.3	179.3	SATOM Contract	Due Diligence Report	-
			RN-7	0	0	TBD	83	83	83	83			
			Rural Road	0	0	TBD	37	37	37	37			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 <i>Jan-18 to Dec-18</i>	Year 2 <i>Jan-19 to Dec-19</i>	Year 3 <i>Jan-20 to Dec-20</i>	Year 4 <i>Jan-21 to Dec-21</i>	Year 5 <i>Jan-22 to Jan-23</i>	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Total	0	0	TBD	299.3	299.3	299.3	299.3			
Kilometers of roads under design	Kilometers	Cumulative	RN-35	0	0	183	183	183	183	183	N/A	TBD	N/A
			RN-7	0	0	83	83	83	83	83			
			Rural Road	0	0	37	37	37	37	37			
			Total	0	0	303	303	303	303	303			



Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				
Road maintenance funds transferred to the FER	CFA Francs	Level	None	0	N/A	N/A	TBD	TBD	TBD	TBD	N/A	Target taken from "Notes on road maintenance CP_v5" shared by sector lead	N/A
Funding for GENiS Maintenance Contracts deposited in designated account	CFA Francs	Cumulative	None	0	N/A	N/A	N/A	145,000,000	145,000,000	145,000,000	N/A	TBD	The total estimated contract amount for the GENiS contracts and a plan to progressively reserve funds is expected to be finalized on 28 February 2020. Targets will be provided thereafter.

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Value of equipment provided	CFA Francs	Cumulative	Community-based	0	N/A	N/A	N/A	N/A	TBD	TBD	N/A	TBD	A plan that specifies the estimated annual FCFA amount to carry out routine maintenance of the Sambera Road is expected on 28 February 2020. The targets will be updated after that date
			FER	0	N/A	N/A	N/A	TBD	TBD	TBD			
			Total	0	N/A	N/A	N/A	TBD	TBD	TBD			
Road maintenance reform adopted	Date	Date	N/A	N/A	N/A	31-Dec-19	N/A	N/A	N/A	31-Dec-19	N/A	The amendment creating the Road Maintenance Fund was adopted on July 6 2018	

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				

The Plan for sustainable Road maintenance is approved by MCC	Date	Date	N/A	N/A	N/A	N/A	26-Jan-20	N/A	N/A	26-Jan-20	N/A		Proposed but waiting for approval  Target of Jan 26, 2020 proposed by MCC's R. Fishbein
--	------	------	-----	-----	-----	-----	-----------	-----	-----	-----------	-----	--	---

#### Activity 4: Policy Reform Activity

##### Sub-Activity: Fertilizer Distribution Reform Sub-Activity

Agro dealers with sufficient amounts of fertilizers before farming season	Number	Cumulative	N/A	0	0	0	0	161	161	161	IFDC		
---	--------	------------	-----	---	---	---	---	-----	-----	-----	------	--	--

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Price comparison of fertilizers	Percentage	Level	Urea	TBD	N/A	N/A	N/A	TBD	TBD	TBD			
			NPK	TBD	N/A	N/A	N/A	TBD	TBD	TBD			
			DAP	TBD	N/A	N/A	N/A	TBD	TBD	TBD			
			Total	TBD	N/A	N/A	N/A	TBD	TBD	TBD			
E-voucher recipients	Number	Cumulative	Sex	0	0	0	N/A	306,000	635,000	635,000	IFDC		
Number of registered traders	Number	Cumulative	Total	0	0	0	N/A	TBD	TBD	TBD			
			Government-registered fertilizer traders	0	0	0	N/A	TBD	TBD	TBD			
			Importers	0	0	0	N/A	TBD	TBD	TBD			
			Meridum-size retailers	0	0	0	N/A	TBD	TBD	TBD			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Small-size retailers	0	0	0	N/A	TBD	TBD	TBD			
Quantity of fertilizers imported	Tons	Cumulative	Total	25,000	N/A	N/A	N/A	90,000	270,000	270,000	IFDC		
			Urea	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			NPK	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			DAP	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Fertilizer distributors trained	Number	Cumulative	Total	TBD	N/A	N/A	N/A	600	1,000	1,000	IFDC		
			Male	TBD	N/A	N/A	N/A	N/A	N/A	N/A			
			Female	TBD	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Fertilizers sold	Tons	Cumulative	Total	TBD	N/A	N/A	N/A	76,500	229,500	229,500	N/A		
			Urea	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			NPK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			DAP	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				
Comparative study completed	Date	Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Criteria developed	Date	Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Fertilizer sector reform approved	Date	Date	N/A	N/A	19-Jan-18	N/A	N/A	N/A	N/A	19-Jan-18	N/A	Government Decree	
COTEN installed	Date	Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Rapport d'installation	
OMEN installed	Date	Date	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Rapport d'installation	
Decree/Ordinance Adoption of CAIMA	Date	Date	N/A	N/A	12-Jan-18	N/A	N/A	N/A	N/A	12-Jan-18	N/A		

#### Activity 4: Policy Reform Activity

##### Sub-Activity: Statistical Capacity Development Sub-Activity

Data producers with	Percentage	Level	Male	N/A	N/A	N/A	N/A	N/A	N/A	N/A	GOPA Contract		
---------------------	------------	-------	------	-----	-----	-----	-----	-----	-----	-----	---------------	--	--

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
improved skills			Female	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			Total	N/A	N/A	N/A	N/A	N/A	100	100			
Decision makers with data usefulness and usage training	Percentage	Level	Total	N/A	N/A	N/A	N/A	N/A	TBD	TBD	N/A		
			Male	N/A	N/A	N/A	N/A	N/A	TBD	TBD			
			Female	N/A	N/A	N/A	N/A	N/A	TBD	TBD			
Public access granted	Date	Date	none	N/A	N/A	N/A	N/A	N/A	14-Nov-22	14-Nov-22	GOPA Contract		

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
First audit report submitted	Date	Date	None	N/A	N/A	N/A	N/A	N/A	14-Jan-22	14-Jan-22	GOPA Contract		
Data management system is created	Date	Date	N/A	N/A	N/A	N/A	N/A	N/A	14-Oct-22	14-Oct-22	GOPA Contract		
Open Data law implemented	Date	Date	N/A	N/A	N/A	N/A	N/A	N/A	14-Oct-22	14-Oct-22	GOPA Contract		
Adaptive management protocol approved	Date	Date	N/A	N/A	N/A	N/A	N/A	N/A	30-Nov-22	30-Nov-22	GOPA Contract		
Data producers trained	Number	Cumulative	N/A	0	0	0	0	N/A	TBD	TBD	N/A		



Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				
Audit system established	Date	Date	N/A	N/A	N/A	N/A	N/A	N/A	20-Dec-22	20-Dec-22	GOPA Contract		
Auditors trained	Number	Cumulative	N/A	0	N/A	N/A	N/A	N/A	TBD	TBD	N/A		
Needs Assessments for Statistical Capacity	Date	Date	N/A	N/A	N/A	10-Jun-19	N/A	N/A	N/A	10-Jun-19	N/A		

## Project 2: Climate-Resilient Communities

### Activity 1: Climate-Resilient Agriculture

#### Sub-Activity 1: ICRIPs Sub-Activity

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23				
Hectares under improved	Hectares	Cumulative	None	0	0	0	TBD	TBD	TBD	TBD	N/A	TBD	Targets to be set with

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
practices as a result of training													the CRA contractor  Values to be included in revised M&E Plans
Communes with increased access to water for irrigation	Number	Cumulative	None	0	0	0	0	0	TBD	TBD	N/A	TBD	Targets to be set with the CRA contractor  Values to be included in revised M&E Plans
Farmers applying improved practices	Number	Cumulative	Total	0	0	0	0	0	TBD	TBD			
			Male	0	N/A	N/A	N/A	N/A	N/A	N/A			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes	
			Female	0	N/A	N/A	N/A	N/A	N/A	N/A				
Hectares recovered and restored under the sub-ICRIPs	Number	Cumulative	None	0	0	0	0	TBD	TBD	TBD				
Stakeholders trained	Number	Cumulative	None	0	N/A	N/A	N/A	TBD	TBD	TBD				
Farmers who have applied improved practices as a result of training	Number	Cumulative	Total	0	0	0	0	0	TBD	TBD				
			Male	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			Female	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Hectares of land under irrigation	Number	Cumulative	None	0	0	0	N/A	TBD	TBD	TBD	N/A	TBD	Targets to be set with the CRA contractor	

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 <i>Jan-18 to Dec-18</i>	Year 2 <i>Jan-19 to Dec-19</i>	Year 3 <i>Jan-20 to Dec-20</i>	Year 4 <i>Jan-21 to Dec-21</i>	Year 5 <i>Jan-22 to Jan-23</i>	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Management committees formed	Number	Cumulative	None	0	0	0	0	TBD	TBD	TBD			Values to be included in revised M&E Plans
Farmers trained	Number	Cumulative	Total	0	0	0	0	0	9,500	9,500			
			Male	0	N/A	N/A	N/A	N/A	N/A	N/A			
			Female	0	N/A	N/A	N/A	N/A	N/A	N/A			
Sub-ICRIPs funded	Number	Cumulative	None	0	N/A	N/A	N/A	N/A	TBD	TBD	N/A	TBD	Targets to be set with the CRA contractor

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Communes with all design and feasibility studies for sub-ICRIPs completed	Number	Cumulative	None	0	0	0	16	16	16	16	N/A	There are 16 ICRIP communes. Estimated work plan provided by MCC Sector lead	Values to be included in revised M&E Plans
Sub-Activity 2: Grants Facility Sub-Activity													
Amounts leveraged (co-financing)	US Dollars	Cumulative	Total	0	0	500,000	750,000	750,000	750,000	750,000	N/A	USADF Grants Facility Manual; Annex 14. Targets estimated at 10% of	

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
												grant amounts disbursed. Year 2 target estimated by sector lead based on projected outcome of Round 1.	
			MSMEs	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Cooperatives and Processor Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Women and Youth Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Rain fed production	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Small scale irrigation	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		Target values to appear in revised M&E Plans

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Livestock integration	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Agro-processing	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Input delivery	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Financial institution	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Other grants	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
Additional and / or follow-on funding leveraged	US Dollars	Cumulative	Total	0	N/A	N/A	N/A	N/A	1,000,000	1,000,000	N/A	USADF Grants Facility Manual; Annex 14	-
			MSMEs	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Cooperatives and Processor Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Women and Youth Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Rain fed production	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Small scale irrigation	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Livestock integration	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Agro-processing	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Input delivery	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Financial institution	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Other grants	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
Storage facilities	Number	Cumulative	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	USADF Grants Facility Manual; Annex 14	-
Storage capacity	Cubic meters	Cumulative	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	USADF Grants Facility Manual; Annex 14	-
Animals fattened	Number	Cumulative	None	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	USADF Grants Facility Manual; Annex 14	-
Number of CRA Facility grants completed	Number	Cumulative	Total	0	0	N/A	N/A	N/A	65	65	N/A	USADF Grants Facility Manual; Annex 14	-
			MSMEs	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	USADF Grants Facility Manual; Annex 14



Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes	
			Cooperatives and Processor Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-	
			Women and Youth Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-	
Number of grant agreements signed	Number	Cumulative	Total	0	0	50	65	65	65	65	N/A	USADF Grants Facility Manual; Annex 14. Year 2 target estimated by sector lead based on projected outcome of Round 1.	-	
			MSMEs											-
			Cooperatives and Processor Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	-
			Women and Youth Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	-
Value of grant agreements signed	US Dollars	Cumulative	Total	0	N/A	5,000,000	7,500,000	7,500,000	7,500,000	7,500,000	N/A	USADF Grants Facility Manual;	-	
			MSMEs	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	-

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes	
Amount disbursed by CRA Grants Facility	US Dollars	Cumulative	Cooperatives and Processor Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Annex 14. Year 2 target estimated by sector lead based on projected outcome of Round 1.	For Grantee types, targets are only specified for Woem and Youth Groups	
			Women and Youth Groups	0	N/A	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	N/A			
			Total	0	N/A	5,000,000	7,500,000	7,500,000	7,500,000	7,500,000	7,500,000	N/A	USADF Grants Facility Manual; Annex 14.	-
			MSMEs	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Annex 14. Year 2 target estimated by sector lead based on projected outcome of Round 1.	-
			Cooperatives and Processor Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For Grantee types, targets are only specified for Woem

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Women and Youth Groups	0	N/A	1,000,000	1,500,000	1,500,000	1,500,000	1,500,000	N/A		and Youth Groups
			Rain fed production	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			Small scale irrigation	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			Livestock integration	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			Agro-processing	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			Input delivery	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Amount disbursed for Grants Facility overhead and technical support	US Dollars	Cumulative	Total	0	N/A	N/A	N/A	TBD	TBD	TBD	N/A	USADF Grants Facility Manual; Annex 14. Year 2 target estimated by sector lead based on projected	-
			MSMEs	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For Grantee types, targets are only specified for Woem and Youth Groups

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
													outcome of Round 1.
			Cooperatives and Processor Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			Women and Youth Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			Rain fed production	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			Small scale irrigation	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			Livestock integration	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			Agro-processing	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
			Input delivery	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
People associated with each grant	Number	Cumulative	Total	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	USADF Grants Facility Manual; Annex 14	-
			MSMEs	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Cooperatives and Processor Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Women and Youth Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Male	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Female	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
Grant Facility is established and functional	Date	Date	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	USADF Grants Facility Manual; Annex 14	-
Grantees trained	Number	Cumulative	Total	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	USADF Grants Facility Manual; Annex 14	-
			Male	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Female	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
Applications received by Grant Facility	Number	Cumulative	Total	0	N/A	N/A	750	750	750	750	N/A	CRA Grants Facility sector lead during meeting on	The USADF Grants Facility Manual provided a total target of 200
			MSMEs	0	N/A	N/A	N/A	N/A	N/A	N/A			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
				-2015	Jan-18 to Dec-18	Jan-19 to Dec-19	Jan-20 to Dec-20	Jan-21 to Dec-21	Jan-22 to Jan-23			April 15, 2019	applications received for both Rounds of the Grants Facility. However, during the drafting of the M&E Plan revision, the first round of applications were closed and 573 applications were received. Thus, the Sector Lead provided a new target to take into account the more than expected number of

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Cooperatives and Processor Groups	0	N/A	N/A	N/A	N/A	N/A	N/A			applications in the first round.
			Women and Youth Groups	0	N/A	N/A	N/A	N/A	N/A	N/A			
Applications shortlisted for proposal development	Number	Cumulative	Total	0	N/A	75	85	85	85	85	N/A	USADF Grants Facility Manual; Annex 14. Year 2 target estimated by sector lead based on projected outcome of Round 1.	-
			MSMEs	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
			Cooperatives and Processor Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Women and Youth Groups	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-
Outreach campaigns for CRA Grants-Round 1	Date	Date	None	N/A	28-Jun-18	N/A	N/A	N/A	N/A	28-Jun-18	Cf. Rapport de mission de sensibilisation	CRA work plan	-
Outreach campaigns for CRA Grants-Round 2	Date	Date	None	N/A	N/A	N/A	31-Mar-20	N/A	N/A	31-Mar-20			
Grant Manager hired	Date	Date	None	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	MCA CRA Manager	-
<b>Sub-Activity 3: Private Sector Partnership Sub-Activity</b>													
Agriculture value chain partners	Number	Cumulative	None	0	N/A	N/A	N/A	TBD	TBD	TBD	N/A		



Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Number of grantees	Number	Cumulative	None	0	N/A	N/A	N/A	5	5	5	N/A		
Amount provided	CFA Francs	Cumulative	None	0	N/A	N/A	N/A	TBD	TBD	TBD	N/A		
Prevalence of CBPP	Percentage	Level	Total	80	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	MCC and MCA Sector Leads have elected not to consider baseline and target values included in the World Bank documents for PRAPS.
			Cattle	N/A	N/A	N/A	N/A	N/A	N/A	N/A			MCA Niger is working with the Ministry of livestock to update those data.

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Sheep	N/A	N/A	N/A	N/A	N/A	N/A	N/A			Updated information will appear in revised M&E Plans
			Goats	N/A	N/A	N/A	N/A	N/A	N/A	N/A			(These notes apply to most indicators within PRAPS, below)
Prevalence of PPR	Percentage	Level	Total	40	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	
			Sheep	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			Goats	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
Vaccination coverage	Rate	Level	CBPP	52	55	60	65	70	80	80	World Bank (confirmed by MCC's EA)	TBD	Year 1 vaccination coverage data to be provided by the World

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
	Rate	Level	PPR	40	38	41	44	47	80	80	World Bank (confirmed by MCC's EA)	TBD	Bank upon completion of Year 1 campaign Year 1 vaccination coverage data to be provided by the World Bank upon completion of Year 1 campaign
Veterinaries who complete training or re-training	Number	Cumulative	Male	N/A	N/A	N/A	N/A	N/A	N/A	N/A	SVPP Contract		Currently, the MCA is in the process of signing contracts with the selected veterinaries . Once the contracts have been signed, the targets will be
			Female	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
			Total	0	0	N/A	N/A	28	28	28			
Auxiliares d'elevage (AEs) who complete training or re-training	Number	Cumulative	Male	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	. Once the contracts have been signed, the targets will be
			Female	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-	
			Total	0	0	350	350	350	350	350		-	
	Number	Cumulative	Male	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-	

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
<i>Animatrices villageoises en aviculture et en élevage de petits ruminants (AVA/PR) who complete training or re-training</i>			Female	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-	developed. Anticipate having one veterinary per commun and the number of support staff depended on if the land is pastoral or agro-pastoral and the area. Targets are expected to be available in May 2020.
			Total	0	0	145	145	145	145	145		-	
Private veterinaries selected	Number	Cumulative	Total	0	12	12	12	12	12	12	TBD	World bank	Currently, the MCA is in the process of signing
			Male	N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Female	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
<i>Auxiliares d'élevage (AEs)</i> selected	Number	Cumulative	Total	0	350	350	350	350	350	350	N/A	World Bank	contracts with the selected veterinaries . Once the contracts have been signed, the targets will be
			Male	N/A	N/A	N/A	N/A	N/A	N/A	N/A			developed.
			Female	N/A	N/A	N/A	N/A	N/A	N/A	N/A			Anticipate having one veterinary per
<i>Animatrices villageoises en agriculture et en élevage de petits ruminants (AVA/PR)</i> selected	Number	Cumulative	Total	0	145	145	145	145	145	145	N/A	-	commun and the number of support staff depended on if the land is pastoral or agro-pastoral and the area. Targets are expected to be

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Male	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-	
			Female	N/A	N/A	N/A	N/A	N/A	N/A	N/A		-	
Sub-Activity 2: Corridor Improvement Sub-Activity													
Communes with social accords	Number	Cumulative	None	0	N/A	N/A	N/A	TBD	67	67		-	-
Hectares restored and secured	Hectares	Cumulative	None	0	N/A	N/A	N/A	TBD	TBD	TBD		-	-
Areas of grazing land improved	Hectares	Cumulative	None	0	0	0	0	TBD	TBD	TBD	TBD	TBD	Targets will come from feasibility study of Corridor Improvement sub-activity, anticipated in late 2019

available in May 2020.

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
Distance between functional water points	Kilometers	Level	None	50	50	50	40	35	30	20	Manuel d'exécution PRAPS page 94	TBD	Targets will come from feasibility study of Corridor Improvement sub-activity, anticipated in late 2019
Water sources constructed or rehabilitated	Number	Cumulative	None	0	0	N/A	N/A	TBD	TBD	TBD	TBD	TBD	
Pasture land management trained	Number	Cumulative	Male	0	N/A	N/A	N/A	TBD	TBD	TBD	TBD	TBD	
			Female	0	N/A	N/A	N/A	TBD	TBD	TBD	TBD	TBD	
			Total	0	N/A	N/A	N/A	TBD	TBD	TBD	TBD	TBD	
<b>Sub-Activity 3: Market Infrastructure Sub-Activity</b>													
Animals sold	Number	Level	Sheep	N/A	N/A	N/A	N/A	TBD	TBD	TBD	Baseline figures are taken from Excel spreadsheets shared by	TBD	
			Cattle	N/A	N/A	N/A	N/A	TBD	TBD	TBD			
			Goats	N/A	N/A	N/A	N/A	TBD	TBD	TBD			
			Donkeys	N/A	N/A	N/A	N/A	TBD	TBD	TBD			

Indicator Name	Unit of Measure	Indicator Classification	Disaggregation	Baseline -2015	Year 1 Jan-18 to Dec-18	Year 2 Jan-19 to Dec-19	Year 3 Jan-20 to Dec-20	Year 4 Jan-21 to Dec-21	Year 5 Jan-22 to Jan-23	End of Compact Target	Baseline Source	Target Calculation + Source	Notes
			Poultry	N/A	N/A	N/A	N/A	TBD	TBD	TBD	MCA - PRAPS with MCC M&E on May 2, 2019		
			Total	837,508 (2017)	0	N/A	N/A	TBD	TBD	TBD			
Animals presented for sale	Number	Level	Sheep	N/A	N/A	N/A	N/A	TBD	TBD	TBD	Baseline figures are taken from Excel spreadsheets shared by MCA - PRAPS with MCC M&E on May 2, 2019	TBD	
			Cattle	N/A	N/A	N/A	N/A	TBD	TBD	TBD			
			Goats	N/A	N/A	N/A	N/A	TBD	TBD	TBD			
			Donkeys	N/A	N/A	N/A	N/A	TBD	TBD	TBD			
			Poultry	N/A	N/A	N/A	N/A	TBD	TBD	TBD			
			Total	1,287,343 (2017)	0	N/A	N/A	TBD	TBD	TBD			
Markets built or rehabilitated	Number	Cumulative	None	0	0	N/A	N/A	N/A	22	22	TBD	TBD	Target values will be taken from market feasibility study





## ANNEX III: M&E PLAN MODIFICATIONS

Indicators may need to be modified in the future versions of the M&E Plan. Modifications and revisions to the indicators may only be made according to the MCC M&E Policy. Justification for deleting an indicator, adding an indicator, modifying an indicator baseline or target, modifying beneficiary information or major adjustments to the evaluation plan will be adequately documented in English here. Additional changes made to indicators (such as modifications to the indicator name, reporting frequency, etc.) are not documented as part of Annex III, but are recorded in a separate file.

### Irrigation and Market Access Project

#### Irrigation Perimeter Development Activity

<i>Hectares under improved irrigation</i>							
Project:	Irrigation and Market Access						
Activity:	Irrigation Perimeter Development						
Sub-Activity:	N/A						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	1,702	2,452	5,025	5,025
	Previous Targets	0	0	0	2,452	5,025	5,025
	Justification:	TBD replaced with target					
January 2022	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact

		SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n
	Revised Targets	0	0	0	0	0	1,7 02	10 0	2,4 52	64 0	2,4 52	64 0	2,4 52
	Previous Targets	0	0	0	0	0	1,7 02	0	2,4 52	2,5 73	2,4 52	2,5 73	2,4 52
	Justification:	Program, Project or Activity scope change											

<i>Construction and rehabilitation completed- Konni</i>	
Project:	Irrigation and Market Access
Activity:	Irrigation Perimeter Development
Sub-Activity:	N/A
	<b>Change Description:</b> New Indicator
January 2022	<b>Justification:</b> Existing indicators do not sufficiently meet adequacy criteria
	<b>Justification Description:</b> Initially omitted due to delays in the construction calendar, this indicator aims to capture how the contractor's deliverables align with contractual timelines

<i>Construction and rehabilitation completed- SK2</i>	
Project:	Irrigation and Market Access
Activity:	Irrigation Perimeter Development
Sub-Activity:	N/A

January 2022	<b>Change Description:</b>	New Indicator
	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria
	<b>Justification Description:</b>	Initially omitted due to delays in the construction calendar, this indicator aims to capture how the contractor's deliverables align with contractual timelines

<i>Percent disbursed of irrigation construction contracts</i>							
Project:	Irrigation and Market Access						
Activity:	Irrigation Perimeter Development						
Sub-Activity:	N/A						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	13	33	76	100	100
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
January 2022	<b>Change Description:</b>	Retire indicator					
	Justification:	Irrelevant due to change in Program, Project or Activity scope					

Justification Description:	Financial common indicators will no longer be collected.
----------------------------	--

<i>Value disbursed of irrigation construction contracts</i>							
Project:	Irrigation and Market Access						
Activity:	Irrigation Perimeter Development						
Sub-Activity:	N/A						
	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
July 2019	Revised Targets	0	4,241,225	24,859,388	56,410,521	74,292,777	74,292,777
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	<b>Change Description:</b>	Retire indicator					
January 2022	Justification:	Irrelevant due to change in Program, Project or Activity scope					
	Justification Description:	Financial common indicators will no longer be collected.					

<i>Value of signed irrigation construction contracts</i>	
Project:	Irrigation and Market Access
Activity:	Irrigation Perimeter Development

Sub-Activity:	N/A						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	32,450,053	74,292,777	74,292,777	74,292,777	74,292,777
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
January 2022	<b>Change Description:</b>	Retire indicator					
	Justification:	Irrelevant due to change in Program, Project or Activity scope					
	Justification Description:	Financial common indicators will no longer be collected.					

<i>Percent disbursed of irrigation feasibility and design contracts</i>							
Project:	Irrigation and Market Access						
Activity:	Irrigation Perimeter Development						
Sub-Activity:	N/A						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	69	76	100	100	100	100

	Previous Targets	69	100	100	100	100	100
	Justification:	Work plan update					
	Justification Description:	Work plan update: Replaced estimates with actual contract values					
January 2022	<b>Change Description:</b>	Retire indicator					
	Justification:	Irrelevant due to change in Program, Project or Activity scope					
	Justification Description:	Financial common indicators will no longer be collected.					

<i>Value disbursed of irrigation feasibility and design contracts</i>							
Project:	Irrigation and Market Access						
Activity:	Irrigation Perimeter Development						
Sub-Activity:	N/A						
	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
July 2019	Revised Targets	2,700,000	3,211,773	4,243,696	4,243,696	4,243,696	4,243,696
	Previous Targets	2,700,000	3,900,000	3,900,000	3,900,000	3,900,000	3,900,000
	Justification:	Work plan update					

	Justification Description:	Work plan update: Replaced estimates with actual contract values
January 2022	Change Description:	Retire indicator
	Justification:	Irrelevant due to change in Program, Project or Activity scope
	Justification Description:	Financial common indicators will no longer be collected.

<i>Value of signed irrigation feasibility and design contracts</i>							
Project:	Irrigation and Market Access						
Activity:	Irrigation Perimeter Development						
Sub-Activity:	N/A						
	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
July 2019	Revised Targets	3,900,000	4,235,727	4,235,727	4,235,727	4,235,727	4,235,727
	Previous Targets	3,900,000	3,900,000	3,900,000	3,900,000	3,900,000	3,900,000
	Justification:	Work plan update					
	Justification Description:	Work plan update: Replaced estimates with actual contract values					
January 2022	Change Description:	Retire indicator					



Justification:	Irrelevant due to change in Program, Project or Activity scope
Justification Description:	Financial common indicators will no longer be collected.

## Irrigation and Market Access Project

### Management Services and Market Facilitation Activity

<i>COFOCOMS that receive training and resources support</i>							
Project:	Irrigation and Market Access						
Activity:	Management Services and Market Facilitation						
Sub-Activity:	Land Tenure Security						
January 2022	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	5	5	5	5	5
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
Justification:	TBD replaced with target						

<i>Participants with access to irrigated land</i>	
Project:	Irrigation and Market Access
Activity:	Management Services and Market Facilitation
Sub-Activity:	Land Tenure

	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria
	<b>Justification Description:</b>	Indicator necessary to target and estimate headcounts of individual participants with access to program-irrigated land

<i>Perimeters registered</i>													
Project:	Irrigation and Market Access												
Activity:	Management Services and Market Facilitation												
Sub-Activity:	Land Tenure Security												
	<b>Change Description:</b>	Target modification											
July 2019		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
		SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Kon
	Revised Targets	0	0	0	0	TB D	1	TB D	1	4	1	4	1
	Previous Targets	0	0	TB D	TB D	TB D	TB D	TB D	TB D	4	1	4	1
	<b>Justification:</b>	TBD replaced with target											
January 2022	<b>Change Description:</b>	Target modification											

	Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Kon
Revised Targets	N/A	0	N/A	0	N/A	1	N/A	1	N/A	1	N/A	1
Previous Targets	0	0	0	0	TB D	1	TB D	1	4	1	4	1
Justification:	Program, Project or Activity scope change											

<i>Communes formally adopting land allocation principles and criteria</i>													
Project:	Irrigation and Market Access												
Activity:	Management Services and Market Facilitation												
Sub-Activity:	Land Tenure Security												
January 2022	<b>Change Description:</b>	Target modification											
		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
		SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Kon
	Revised Targets	N/A	0	N/A	2	N/A	2	N/A	2	N/A	2	N/A	2
	Previous Targets	0	0	0	2	3	2	3	2	3	2	3	2
Justification:	Program, Project or Activity scope change												

<i>Parcels corrected or incorporated in the land system</i>	
Project:	Irrigation and Market Access

Activity:	Management Services and Market Facilitation												
Sub-Activity:	Land Tenure Security												
July 2019	<b>Change Description:</b>	Target modification											
		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
		SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n
	Revised Targets	0	3,4 00	TB D	3,4 00	TB D	3,4 00	TB D	3,4 00	TB D	3,4 00	TB D	3,4 00
	Previous Targets	0	0	TB D	TB D	TB D	TB D	TB D	TB D	TB D	TB D	TB D	TB D
Justification:	TBD replaced with target												

<i>Conflicts successfully mediated</i>													
Project:	Irrigation and Market Access												
Activity:	Management Services and Market Facilitation												
Sub-Activity:	Land Tenure Security												
July 2019	<b>Change Description:</b>	Baseline modification											
	Revised modification	0											
	Previous modification	TBD											
	Justification:	Corrections to erroneous data											

	Justification description:	Originally, MCC/MCA M&E misinterpreted the definition and thought the baseline should be the number of conflicts resolved in the year prior to Compact implementation. However, during the M&E Plan revision, the common indicator definition was reviewed. The definition reads “the number of disputed land and property cases that have been resolved by local authorities, contractors, mediators or courts <i>with compact support</i> ,” indicating that the baseline should be 0, as no conflicts were resolved with Compact support prior to implementation.
--	----------------------------	--

<i>Stakeholders trained</i>							
Project:	Irrigation and Market Access						
Activity:	Management Services and Market Facilitation						
Sub-Activity:	Land Tenure Security						
	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
July 2019	Revised Targets	105	105	TBD	TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
January 2022	<b>Change Description:</b>	Target modification					

	Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
Revised Targets	105	105	105	105	105	105
Previous Targets	105	105	TBD	TBD	TBD	TBD
Justification:	Correction to erroneous data					

<i>COFOCOM officials that receive training and resources support</i>							
Project:	Irrigation and Market Access						
Activity:	Management Services and Market Facilitation						
Sub-Activity:	Land Tenure Security						
January 2022	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	5	5	5	5	5	5
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>iWUAs that self-finance with fees covering assigned operations, maintenance, and rehabilitation</i>	
Project:	Irrigation and Market Access
Activity:	Management Services and Market Facilitation

Sub-Activity:	Sustainable Management of Irrigation Systems						
January 2022	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	0	1	1	1
	Previous Targets	0	0	0	TBD	1	1
	Justification:	TBD replaced with target					

<i>Rate of collection of water fees</i>							
Project:	Irrigation and Market Access						
Activity:	Management Services and Market Facilitation						
Sub-Activity:	Sustainable Management of Irrigation Systems						
January 2022	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	N/A	N/A	80	100	100
	Previous Targets	0	N/A	N/A	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>Perception of quality of water service by water users</i>		
Project:	Irrigation and Market Access	
Activity:	Management Services and Market Facilitation	
Sub-Activity:	Sustainable Management of Irrigation Systems	
July 2019	<b>Change Description:</b>	Retire indicator
	<b>Justification:</b>	Indicator quality is determined poorer than initially thought when included in plan
	<b>Justification Description:</b>	It is unlikely that ONAHA will be collecting this information. This indicator has been moved to Annex IV. Evaluation Indicators.

<i>Youth groups implement business plans</i>		
Project:	Irrigation and Market Access	
Activity:	Management Services and Market Facilitation	
Sub-Activity:	Agricultural Support Services	
July 2019	<b>Change Description:</b>	Retire indicator
	<b>Justification:</b>	Indicator has been added which is superior in measuring same variable
	<b>Justification Description:</b>	This indicator is more appropriately tracked by the CRA Grants Facility Manager USADF, under the CRA Activity. A series of indicators have been added to that Activity to appropriately track the CRA theory of change.



<i>iWUA management perceives that ONAHA has technical capacity to support them in the management of the system</i>							
Project:	Irrigation and Market Access						
Activity:	Management Services and Market Facilitation						
Sub-Activity:	Sustainable Management of Irrigation Systems						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
January 2022	<b>Change Description:</b>	<b>Target modification</b>					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	0	100	100	100
	Previous Targets	0	0	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>iWUAs prepare financial reports and annual budgets</i>	
Project:	Irrigation and Market Access
Activity:	Management Services and Market Facilitation

Sub-Activity:		Sustainable Management of Irrigation Systems																				
January 2022	<b>Change Description:</b>	Target modification																				
		Year 1			Year 2			Year 3			Year 4			Year 5			End of compact					
		S	K	T	S	K	T	S	K	T	S	K	T	S	K	T	S	K	T			
		o	n	a	o	n	a	o	n	a	o	n	a	o	n	a	o	n	a	o	n	a
		l			l			l			l			l			l			l		
	Revised Targets	N	0	0	N	0	0	N	0	0	N	1	1	N	1	1	N	1	1	N	1	1
	Previous Targets	0	0	0	0	0	0	0	0	0	T	T	T	T	T	T	T	T	T	T	T	T
	Justification:	Program, Project or Activity scope change; TBD replaced with target																				

<i>iWUAs created</i>							
Project:	Irrigation and Market Access						
Activity:	Management Services and Market Facilitation						
Sub-Activity:	Sustainable Management of Irrigation Systems						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	5	5

	Previous Targets	TBD	TBD	TBD	TBD	5	5						
	Justification:	TBD replaced with target											
January 2022	Change Description:	Target modification											
		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
		SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n
	Revised Targets	0	0	0	0	0	1	0	1	0	1	0	1
	Previous Targets	0	0	TB D	TB D	TB D	TB D	TB D	TB D	TB D	TB D	4	1
	Justification:	Program, Project or Activity scope change; TBD replaced with target											

<i>iWUA management trained</i>							
Project:	Irrigation and Market Access						
Activity:	Management Services and Market Facilitation						
Sub-Activity:	Sustainable Management of Irrigation Systems						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	5	5
	Previous Targets	TBD	TBD	TBD	TBD	5	5
	Justification:	TBD replaced with target					
January 2022	Change Description:	Target modification					

	Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n
Revised Targets	N/A	0	N/A	0	N/A	12	N/A	12	N/A	12	N/A	12
Previous Targets	0	0	0	0	TBD	TBD	TBD	TBD	4	1	4	1
Justification:	Program, Project or Activity scope change; TBD replaced with target											

<i>Enterprises that have applied improved techniques</i>							
Project:	Irrigation and Market Access						
Activity:	Management Services and Market Facilitation						
Sub-Activity:	Agricultural Support Services						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
January 2022	Change Description:	<b>Target modification</b>					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	N/A	TBD	TBD	TBD

Previous Targets	0	0	TBD	TBD	TBD	TBD
Justification:	TBD replaced with target					

*Cooperatives providing key services to membership*

Project:	Irrigation and Market Access
Activity:	Management Services and Market Facilitation
Sub-Activity:	Sustainable Management of Irrigation Systems

July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

January 2022	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	60	60	60
	Previous Targets	0	0	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

*Trained participants who pass the literacy test*

Project:	Irrigation and Market Access
Activity:	Management Services and Market Facilitation
Sub-Activity:	Sustainable Management of Irrigation Systems

January 2022	Change Description:	Target modification											
		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
		SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n
	Revised Targets	0	0	0	0	0	0	0	N/ A	1,5 00	2,7 50	1,5 00	2,7 50
	Previous Targets	0	0	2,3 00	1,9 00	3,6 50	2,7 50	3,6 50	2,7 50	3,6 50	2,7 50	3,6 50	2,7 50
	Justification:	Program, Project or Activity scope change											

<i>Farmers with proven skills in improved production technologies and practices</i>		
Project:	Irrigation and Market Access	
Activity:	Management Services and Market Facilitation	
Sub-Activity:	Sustainable Management of Irrigation Systems	
January 2022	<b>Change Description:</b>	New Indicator
	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria

<b>Justification Description:</b>	This indicator is necessary to measure knowledge acquisition (and eventually knowledge application) following program-funded training
-----------------------------------	---

<i>Participants with access to credit</i>		
Project:	Irrigation and Market Access	
Activity:	Management Services and Market Facilitation	
Sub-Activity:	Sustainable Management of Irrigation Systems	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria
	<b>Justification Description:</b>	This indicator is necessary to estimate headcounts of individuals (males/females) with access to credit following program-funded capacity building and support

<i>Share of women and youth in group memberships</i>		
Project:	Irrigation and Market Access	
Activity:	Management Services and Market Facilitation	
Sub-Activity:	Sustainable Management of Irrigation Systems	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria

<b>Justification Description:</b>	Indicator necessary to target historically under-represented demographics in group memberships
-----------------------------------	--

<i>Farmers with proven natural resource management skills</i>		
Project:	Irrigation and Market Access	
Activity:	Management Services and Market Facilitation	
Sub-Activity:	Sustainable Management of Irrigation Systems	
January 2022	<b>Change Description:</b>	New Indicator
	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria
	<b>Justification Description:</b>	This indicator is necessary to measure knowledge acquisition (and eventually knowledge application) by participating individual farmers following program-funded training

<i>Trained participants who pass the literacy test</i>							
Project:	Irrigation and Market Access						
Activity:	Management Services and Market Facilitation						
Sub-Activity:	Sustainable Management of Irrigation Systems						
January 2022	Change Description:	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact



	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n
Revised Targets	0	0	0	0	0	0	10	80	10	80	10	80
Previous Targets	0	0	50	40	10 0	80	10 0	80	10 0	80	10 0	80
Justification:	Program, Project or Activity scope change											

<i>Cooperatives trained</i>		
Project:	Irrigation and Market Access	
Activity:	Management Services and Market Facilitation	
Sub-Activity:	Sustainable Management of Irrigation Systems	
January 2022	<b>Change Description:</b>	New Indicator
	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria
	<b>Justification Description:</b>	This indicator is needed to track numbers of individual cooperatives trained in addition (and alongside) water user associations, especially with the rescoping of SK2 that will not include Konni-style water user associations (and where cooperatives will have greater roles)

<i>Producers trained in numeracy, literacy, hygiene and nutrition</i>	
Project:	Irrigation and Market Access
Activity:	Management Services and Market Facilitation
Sub-Activity:	Sustainable Management of Irrigation Systems

	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria
	<b>Justification Description:</b>	This indicator is needed to track headcounts of individual producers participating in program-funded trainings in literacy, numeracy, hygiene and nutrition

<i>Agriculture stakeholders trained</i>		
Project:	Irrigation and Market Access	
Activity:	Management Services and Market Facilitation	
Sub-Activity:	Sustainable Management of Irrigation Systems	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria
	<b>Justification Description:</b>	This indicator is needed to track headcounts of individual stakeholders participating in program-funded trainings

<i>Farmers trained</i>		
Project:	Irrigation and Market Access	
Activity:	Management Services and Market Facilitation	
Sub-Activity:	Sustainable Management of Irrigation Systems	

Change Description: Target modification													
January 2022	Year 1		Year 2		Year 3		Year 4		Year 5		End of compact		
	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	
Revised Targets	0	0	N/ A	1,4 00	N/ A	3,0 50	3,0 00	4,8 34	3,0 00	4,8 34	3,0 00	4,8 34	
Previous Targets	0	0	1,7 00	1,4 00	3,7 00	3,0 50	6,0 00	4,8 34	6,0 00	4,8 34	6,0 00	4,8 34	
Justification:	Program, Project or Activity scope change												

<i>Women trained in improved productive activities</i>													
Project:	Irrigation and Market Access												
Activity:	Management Services and Market Facilitation												
Sub-Activity:	Sustainable Management of Irrigation Systems												
Change Description: Target modification													
January 2022	Year 1		Year 2		Year 3		Year 4		Year 5		End of compact		
	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	
Revised Targets	0	0	N/ A	70 0	N/ A	1,4 00	62 5	1,4 00	62 5	1,4 00	62 5	1,4 00	
Previous Targets	0	0	80 0	70 0	1,6 00	1,4 00	1,6 00	1,4 00	1,6 00	1,4 00	1,6 00	1,4 00	
Justification:	Program, Project or Activity scope change												

<i>Participants that completed a literacy course</i>													
Project:	Irrigation and Market Access												
Activity:	Management Services and Market Facilitation												
Sub-Activity:	Sustainable Management of Irrigation Systems												
	Change Description:	Target modification											
January 2022		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
		SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n
	Revised Targets	0	0	N/ A	3,8 00	2,5 00	5,5 00	3,0 00	5,5 00	3,0 00	5,5 00	3,0 00	5,5 00
	Previous Targets	0	0	4,6 00	3,8 00	7,3 00	5,5 00	7,3 00	5,5 00	7,3 00	5,5 00	7,3 00	5,5 00
	Justification:	Program, Project or Activity scope change											

<i>Women trained in village savings and loan program</i>							
Project:	Irrigation and Market Access						
Activity:	Management Services and Market Facilitation						
Sub-Activity:	Sustainable Management of Irrigation Systems						
	<b>Change Description:</b>	Target modification					
July 2019		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD

	Justification:	TBD replaced with target					
	<b>Change Description:</b>	Target modification					
January 2022		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	0	1,575	1,575	1,575
	Previous Targets	0	0	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>Demonstration plots installed</i>													
Project:	Irrigation and Market Access												
Activity:	Management Services and Market Facilitation												
Sub-Activity:	Sustainable Management of Irrigation Systems												
	Change Description:	Target modification											
January 2022		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
		SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n
	Revised Targets	0	0	N/ A	45	N/ A	10 0	85 0	16 0	85 0	16 0	85 0	16 0
	Previous Targets	0	0	50	45	11 5	10 0	19 0	16 0	19 0	16 0	19 0	16 0
	Justification:	Program, Project or Activity scope change											

<i>Innovation plots installed</i>													
Project:	Irrigation and Market Access												
Activity:	Management Services and Market Facilitation												
Sub-Activity:	Sustainable Management of Irrigation Systems												
	Change Description:	Target modification											
January 2022		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
		SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n
	Revised Targets	0	0	N/ A	10	N/ A	20	25	30	25	30	25	30
	Previous Targets	0	0	15	10	30	20	45	30	45	30	45	30
	Justification:	Program, Project or Activity scope change											

<i>Demonstration sites installed for women</i>													
Project:	Irrigation and Market Access												
Activity:	Management Services and Market Facilitation												
Sub-Activity:	Sustainable Management of Irrigation Systems												
	Change Description:	Target modification											
January 2022		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact	
		SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n	SK	Ko n
	Revised Targets	0	0	N/ A	20	N/ A	40	25	40	25	40	25	40

Previous Targets	0	0	25	20	50	40	50	40	50	40	50	40
Justification:	Program, Project or Activity scope change											

<i>Groups who have applied that have secured funding from CRA grant facility or financial institution</i>		
Project:	Irrigation and Market Access	
Activity:	Management Services and Market Facilitation	
Sub-Activity:	Agricultural Support Services	
July 2019	<b>Change Description:</b>	Retire indicator
	<b>Justification:</b>	Indicator has been added which is superior in measuring same variable
	<b>Justification Description:</b>	This indicator is more appropriately tracked by the CRA Grants Facility Manager USADF, under the CRA Activity. A series of indicators have been added to that Activity to appropriately track the CRA theory of change.

### **Irrigation and Market Access Project**

#### **Roads for Market Access Activity**

<i>Kilometers of roads completed</i>	
Project:	Irrigation and Market Access
Activity:	Roads for Market Access
Sub-Activity:	N/A

July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	0	0	300	300
	Previous Targets	0	TBD	TBD	TBD	307	307
	Justification:	Corrections to erroneous data					
	Justification Description:	During Compact negotiations, the governments of Niger and the United States agreed to extend the number of kilometers to be rehabilitated beyond what had previously been discussed. A new total for the number of kilometers to be rehabilitated was not available at that time and M&E provided an estimate of 187 km. However, further due diligence has revealed the total number of kilometers is closer to 183, which is the figure used by the sector teams.					
January 2022	<b>Change Description:</b>	<b>Target modification</b>					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	0	0	303	303
	Previous Targets	0	0	0	0	300	300
	Justification:	Corrections to erroneous data					



<i>Kilometers of roads under works contracts</i>																			
Project:		Irrigation and Market Access																	
Activity:		Roads for Market Access																	
Sub-Activity:		N/A																	
July 2019	<b>Change Description:</b>		Target modification																
			Year 1			Year 2			Year 3			Year 4			Year 5			End of compact	
	Revised Targets		TBD			TBD			67.2			220.7			300			300	
	Previous Targets		TBD			TBD			TBD			TBD			TBD			TBD	
	Justification:		TBD replaced with target																
	Justification Description:		Estimates are based off inception report and roads manager calculations																
January 2022	<b>Change Description:</b>		Target modification																
			Year 1			Year 2			Year 3			Year 4			Year 5			End of compact	
	Revised Targets		R N - 3 5	R N - 7	R u r a l 5	R N - 3 7	R N - 3 7	R u r a l 5	R N - 3 7	R u r a l 5	R N - 7	R u r a l 5	R N - 3 5	R N - 7	R u r a l 5	R N - 3 7	R u r a l 5	R N - 3 5	R N- 7

Previous Targets	0	0	0	0	0	0	1	0	3	1	8	3	1	8	3	1	8	83	37
Justification:	Corrections to erroneous data																		

<i>Vehicle operating cost files saved</i>		
Project:	Irrigation and Market Access	
Activity:	Roads for Market Access	
Sub-Activity:	N/A	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	MCC requires new common indicator
	<b>Justification Description:</b>	MCC has recently revised its Common Indicator guidelines with a new set of common indicators including “Vehicle operating cost files saved”

<i>Lane-kilometers completed</i>		
Project:	Irrigation and Market Access	
Activity:	Roads for Market Access	
Sub-Activity:	N/A	
January 2022	<b>Change Description:</b>	New Indicator
	<b>Justification:</b>	MCC requires new common indicator

**Justification  
Description:**

MCC has recently revised its Common Indicator guidelines with a new set of common indicators including “Lane-kilometers completed”

<i>As-built drawings</i>		
Project:	Irrigation and Market Access	
Activity:	Roads for Market Access	
Sub-Activity:	N/A	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	MCC requires new common indicator
	<b>Justification Description:</b>	MCC has recently revised its Common Indicator guidelines with a new set of common indicators including “As-built drawings”

<i>Kilometers of roads under design</i>							
Project:	Irrigation and Market Access						
Activity:	Roads for Market Access						
Sub-Activity:	N/A						
	<b>Change Description:</b>	Target modification					
July 2019		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	300	300	300	300	300

	Previous Targets	0	TBD	TBD	TBD	307	307
	Justification:	TBD replaced with target (Compact Years 3 and 4) Corrections to erroneous data (Compact Year 5)					
	Justification Description:	During Compact negotiations, the governments of Niger and the United States agreed to extend the number of kilometers to be rehabilitated beyond what had previously been discussed. A new total for the number of kilometers to be rehabilitated was not available at that time and M&E provided an estimate of 187 km. However, further due diligence has revealed the total number of kilometers is closer to 180, which is the figure used by the sector teams.					
January 2022	Change Description:	<b>Target modification</b>					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	303	303	303	303	303
	Previous Targets	0	300	300	300	300	300
	Justification:	Corrections to erroneous data					

<i>Percent disbursed of road feasibility and design contracts</i>		
Project:	Irrigation and Market Access	
Activity:	Roads for Market Access	
Sub-Activity:	N/A	
July 2019	<b>Change Description:</b>	Target modification

		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	10	100	100	100	100	100
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>Value disbursed of road feasibility and design contracts</i>							
Project:	Irrigation and Market Access						
Activity:	Roads for Market Access						
Sub-Activity:	N/A						
	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
July 2019	Revised Targets	3,073,185	3,073,185	3,073,185	3,073,185	3,073,185	3,073,185
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	<b>Change Description:</b>	Retire indicator					
January 2022	Justification:	Irrelevant due to change in Program, Project or Activity scope					
	Justification Description:	Financial common indicators will no longer be collected.					

<i>Value of signed road feasibility and design contracts</i>		
Project:	Irrigation and Market Access	
Activity:	Roads for Market Access	
Sub-Activity:	N/A	
January 2022	<b>Change Description:</b>	Retire indicator
	Justification:	Irrelevant due to change in Program, Project or Activity scope
	Justification Description:	Financial common indicators will no longer be collected.

<i>Road maintenance funds transferred to the FER</i>		
Project:	Irrigation and Market Access	
Activity:	Roads for Market Access	
Sub-Activity:	N/A	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	The evaluability assessment report flagged that the M&E Plan was missing indicators to track the second generation maintenance regime and whether it was established and enforced. This indicator was introduced to capture that result for the RN35 and RN7.

January 2022	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	N/A	N/A	TBD	TBD	TBD	TBD
	Previous Targets	N/A	N/A	100	100	100	100
	Justification:	Occurrence of exogenous factors					

<i>Funding for GENiS Maintenance Contracts deposited in designated account</i>		
Project:	Irrigation and Market Access	
Activity:	Roads for Market Access	
Sub-Activity:	N/A	
July 2019	<b>Change Description:</b>	New Indicator
	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria
	<b>Justification Description:</b>	The evaluability assessment report flagged that the M&E Plan was missing indicators to track the second generation maintenance regime and whether it was established and enforced. This indicator was introduced to capture that result for the RN35 and RN7.
January 2022	<b>Change Description:</b>	Target modification

	Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
Revised Targets	N/A	N/A	N/A	145,000,000	145,000,000	145,000,000
Previous Targets	N/A	N/A	TBD	TBD	TBD	TBD
Justification:	TBD replaced with target					

<i>Funding for community-based maintenance organization deposited in designated account</i>		
Project:	Irrigation and Market Access	
Activity:	Roads for Market Access	
Sub-Activity:	N/A	
July 2019	<b>Change Description:</b>	New Indicator
	<b>Justification:</b>	Existing indicators do not sufficiently meet adequacy criteria
	<b>Justification Description:</b>	The evaluability assessment report flagged that the M&E Plan was missing indicators to track the second generation maintenance regime and whether it was established and enforced. This indicator was introduced to capture that result for the Sambera Rural Road.

*Road maintenance reform adopted*



Project:	Irrigation and Market Access						
Activity:	Roads for Market Access						
Sub-Activity:	N/A						
January 2022	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	N/A	31-Dec-19	N/A	N/A	N/A	31-Dec-19
	Previous Targets	N/A	N/A	N/A	N/A	N/A	N/A
	Justification:	TBD replaced with target					

#### Activity 4: Policy Reform

<i>More efficient fertilizer provision</i>							
Project:	Irrigation and Market Access						
Activity:	Policy Reform Activity						
Sub-Activity:	Sub-Activity: Fertilizer Distribution Reform Sub-Activity						
January 2022	<b>Change Description:</b>	New Indicator					
	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope					

<b>Justification Description:</b>	The Policy Reform logic, along with the full Activity scope, was not fully defined and designed in previous M&E Plans
-----------------------------------	---

<i>Price comparison of fertilizers</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Sub-Activity: Fertilizer Distribution Reform Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
	<b>Justification Description:</b>	The Fertilizer Distribution Reform logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>E-voucher recipients</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Sub-Activity: Fertilizer Distribution Reform Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope

<b>Justification Description:</b>	The Fertilizer Distribution Reform logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans
-----------------------------------	--

<i>Number of registered traders</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Sub-Activity: Fertilizer Distribution Reform Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
	<b>Justification Description:</b>	The Fertilizer Distribution Reform logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Quantity of fertilizers imported</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Sub-Activity: Fertilizer Distribution Reform Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator

<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
<b>Justification Description:</b>	The Fertilizer Distribution Reform logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Fertilizer distributors trained</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Sub-Activity: Fertilizer Distribution Reform Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
	<b>Justification Description:</b>	The Fertilizer Distribution Reform logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Fertilizers sold</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Sub-Activity: Fertilizer Distribution Reform Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator

<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
<b>Justification Description:</b>	The Fertilizer Distribution Reform logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Comparative study completed</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Sub-Activity: Fertilizer Distribution Reform Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator
	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
	<b>Justification Description:</b>	The Fertilizer Distribution Reform logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Criteria developed</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Sub-Activity: Fertilizer Distribution Reform Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator

<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
<b>Justification Description:</b>	The Fertilizer Distribution Reform logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>OMEN installed</i>							
Project:	Irrigation and Market Access						
Activity:	Policy Reform Activity						
Sub-Activity:	Sub-Activity: Fertilizer Distribution Reform Sub-Activity						
January 2022	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	N/A	N/A	N/A	N/A	N/A	N/A
	Previous Targets	TBD	TBD	TBD	TBD	TBD	N/A
	Justification:	Corrections to erroneous data					

<i>Data producers have improved skills in data collection and analysis</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Statistical Capacity Development Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator

<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
<b>Justification Description:</b>	The Statistical Capacity Development logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Decision makers with data usefulness and usage training</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Statistical Capacity Development Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator
	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
	<b>Justification Description:</b>	The Statistical Capacity Development logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Public access granted</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Statistical Capacity Development Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator

<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
<b>Justification Description:</b>	The Statistical Capacity Development logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>First audit report submitted</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Statistical Capacity Development Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
	<b>Justification Description:</b>	The Statistical Capacity Development logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Data management system is created</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Statistical Capacity Development Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator



<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
<b>Justification Description:</b>	The Statistical Capacity Development logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Open Data law implemented</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Statistical Capacity Development Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
	<b>Justification Description:</b>	The Statistical Capacity Development logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Adaptive management protocol approved</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Statistical Capacity Development Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator

<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
<b>Justification Description:</b>	The Statistical Capacity Development logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Data producers trained</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Statistical Capacity Development Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
	<b>Justification Description:</b>	The Statistical Capacity Development logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Audit system established</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Statistical Capacity Development Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator

<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
<b>Justification Description:</b>	The Statistical Capacity Development logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

<i>Auditors trained</i>		
Project:	Irrigation and Market Access	
Activity:	Policy Reform Activity	
Sub-Activity:	Statistical Capacity Development Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	<b>Justification:</b>	Relevant due to change in Program, Project or Activity scope
	<b>Justification Description:</b>	The Statistical Capacity Development logic, along with the full Sub-Activity scope, was not fully defined and designed in previous M&E Plans

### Climate-Resilient Communities Project

<i>Stakeholders trained</i>	
Project:	Climate-Resilient Communities (Project wide)
Activity:	N/A
Sub-Activity:	N/A

July 2019	<b>Change Description:</b>	New Indicator
	Justification:	New issues emerged, suggesting importance of a new indicator
	Justification Description:	Although not explicit in the program logic, during discussions with the Land Sector Team, it became apparent that, in addition to the IPD communes, the Land Team would also conduct basic land training to all CRC communes. As a result, we're including this indicator for common indicator reporting.

<i>COFOCOMs receive training and resources support</i>		
Project:	Climate-Resilient Communities (Project wide)	
Activity:	N/A	
Sub-Activity:	N/A	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	New issues emerged, suggesting importance of a new indicator
	Justification Description:	Although not explicit in the program logic, during discussions with the Land Sector Team, it became apparent that, in addition to the IPD communes, the Land Team would also conduct basic land training to all CRC communes.

	Change Description:	<b>Retire Indicator</b>
January 2022	Justification:	Irrelevant due to change in Program, Project or Activity scope
	Justification Description:	COFOCOM training and support is not part of the program logic and no longer required as a critical part of the tasks to be completed

### Climate-Resilient Communities Project

#### Climate-Resilient Agriculture Activity

<i>Hectares irrigated</i>		
Project:	Climate-Resilient Communities (Project wide)	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	N/A	
March 2018	<b>Change Description:</b>	Retire Indicator
	Justification:	Relevant due to change in Program, Project or Activity scope
	Justification Description:	Indicator to be replaced by a more relevant one

<i>Hectares with access to rehabilitated irrigation</i>		
Project:	Climate-Resilient Communities (Project wide)	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	N/A	
March 2018	<b>Change Description:</b>	Retire Indicator
	Justification:	Relevant due to change in Program, Project or Activity scope
	Justification Description:	Indicator to be replaced by a more relevant one

<i>Percentage of targeted communes which have constructed infrastructure to support CRA</i>		
Project:	Climate-Resilient Communities (Project wide)	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	N/A	
March 2018	<b>Change Description:</b>	Retire Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	Replace “percentage of targeted communes which have constructed infrastructure to support CRA” with three separate indicators: - “Communes with market access infrastructure”,

		- “Communes with increased access to water for irrigation” and “Grain storage facilities built or rehabilitated
--	--	--

<i>Farmers applying improved practices</i>		
Project:	Climate-Resilient Communities (Project wide)	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	ICRIPs Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	Justification:	Relevant due to change in Program, Project or Activity scope
	Justification Description:	The ICRIPs Sub-Activity logic, along with its detailed scope, was not fully defined and designed in previous M&E Plans

<i>Hectares recovered and restored under the sub-ICRIPs</i>		
Project:	Climate-Resilient Communities (Project wide)	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	ICRIPs Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	Justification:	Relevant due to change in Program, Project or Activity scope

Justification Description:	The ICRIPs Sub-Activity logic, along with its detailed scope, was not fully defined and designed in previous M&E Plans
----------------------------	--

<i>Farmers who have applied improved practices as a result of training</i>		
Project:	Climate-Resilient Communities (Project wide)	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	ICRIPs Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator
	Justification:	Relevant due to change in Program, Project or Activity scope
	Justification Description:	The ICRIPs Sub-Activity logic, along with its detailed scope, was not fully defined and designed in previous M&E Plans

<i>Management committees formed</i>		
Project:	Climate-Resilient Communities (Project wide)	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	ICRIPs Sub-Activity	
January 2022	<b>Change Description:</b>	New Indicator



Justification:	Relevant due to change in Program, Project or Activity scope
Justification Description:	The ICRIPs Sub-Activity logic, along with its detailed scope, was not fully defined and designed in previous M&E Plans

<i>Farmers trained</i>		
Project:	Climate-Resilient Communities (Project wide)	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	ICRIPs Sub-Activity	
	<b>Change Description:</b>	New Indicator
January 2022	Justification:	Relevant due to change in Program, Project or Activity scope
	Justification Description:	The ICRIPs Sub-Activity logic, along with its detailed scope, was not fully defined and designed in previous M&E Plans

<i>Communes with market access infrastructure</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	ICRIPs	
July 2019	<b>Change Description:</b>	Target modification

		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
January 2022	Justification:	TBD replaced with target					
June 2021	Change Description:	<b>Retire Indicator</b>					
	Justification:	Irrelevant due to change in Program, Project or Activity scope					
	Justification Description:	Types of infrastructures will be function of sub-ICRIP project proposals and approvals. Market access infrastructures are not guaranteed as of now					

<i>Hectares under improved practices as a result of training</i>							
Project:	Climate-Resilient Communities						
Activity:	Climate-Resilient Agriculture						
Sub-Activity:	ICRIPs						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>Crop storage facilities built or rehabilitated</i>							
Project:	Climate-Resilient Communities						
Activity:	Climate-Resilient Agriculture						
Sub-Activity:	ICRIPs						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
January 2022	<b>Change Description:</b>	<b>Target modification</b>					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	N/A	TBD	TBD	TBD
	Previous Targets	0	0	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
	Justification Description:	Name changed to “Hectares of land under irrigation”					
<i>Communes with increased access to water for irrigation</i>							
Project:	Climate-Resilient Communities						
Activity:	Climate-Resilient Agriculture						

Sub-Activity:	ICRIPs						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>Percentage of selected sub-ICRIPs completed</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	ICRIPs	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	Existing indicators were drafted before the procedure for approving and implementing sub-ICRIPs was known and therefore did not adequately measure the progress of sub-ICRIP implementation.
June 2021	Justification:	<b>TBD replaced with target</b>

	Change Description:	<b>Retire Indicator</b>
January 2022	Justification:	Irrelevant due to change in Program, Project or Activity scope
	Justification Description:	Sub-ICRIPs acceptance rate has been deemed irrelevant vis-à-vis the Activity/Sub-Activity logic and proposed design

<i>Sub-ICRIPs funded</i>							
Project:	Climate-Resilient Communities						
Activity:	Climate-Resilient Agriculture						
Sub-Activity:	ICRIPs						
	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
July 2019	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
January 2022	Change Description:	<b>Target modification</b>					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact

Revised Targets	0	0	N/A	TBD	TBD	TBD
Previous Targets	0	0	TBD	TBD	TBD	TBD
Justification:	TBD replaced with target					

<i>Amount granted for sub-ICRIPs</i>							
Project:	Climate-Resilient Communities						
Activity:	Climate-Resilient Agriculture						
Sub-Activity:	ICRIPs						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
January 2022	Change Description:	<b>Retire Indicator</b>					
	Justification:	Irrelevant due to change in Program, Project or Activity scope					
	Justification Description:	Amounts granted to sub-ICRIPs have been deemed irrelevant vis-à-vis the Activity/Sub-Activity logic and revised design					

*Communes with all design and feasibility studies for sub-ICRIPs completed*

Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture Activity	
Sub-Activity:	ICRIPs	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	Existing indicators were drafted before the procedure for approving and implementing sub-ICRIPs was known and therefore did not adequately measure the progress of sub-ICRIP implementation.

<i>Applications received for subprojects (ICRIPs)</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	ICRIPs	
July 2019	<b>Change Description:</b>	Retire indicator
	Justification:	Indicator quality is determined poorer than initially thought when included in plan
	Justification Description:	Contrary to original expectations, applications will not be submitted for sub-ICRIPs. Rather the list of potential projects will be taken from the Community Development Plans.

<i>Participants trained on the rural code</i>							
Project:	Climate-Resilient Communities						
Activity:	Climate-Resilient Agriculture						
Sub-Activity:	ICRIPs						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	0	TBD	TBD	TBD	TBD
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					
January 2022	Change Description:	Retire Indicator					
	Justification:	Irrelevant due to change in Program, Project or Activity scope					
	Justification Description:	Trainings on rural code has been deemed irrelevant vis-à-vis the Activity/Sub-Activity logic and proposed design					

<i>Agreements with communes</i>	
Project:	Climate-Resilient Communities
Activity:	Climate-Resilient Agriculture
Sub-Activity:	ICRIPs



July 2019	<b>Change Description:</b>	Retire indicator
	Justification:	Indicator quality is determined poorer than initially thought when included in plan
	Justification Description:	Contrary to original expectations, MCA will not need to sign agreements with ICRIPs communes.

<i>Organization sales revenue growth</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact.

<i>Amounts leveraged (co-financing)</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	

July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	500,000	750,000	750,000	750,000	750,000
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>Additional and / or follow-on funding leveraged</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact.

<i>CAPEX and OPEX investments</i>	
Project:	Climate-Resilient Communities
Activity:	Climate-Resilient Agriculture

Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact.
January 2022	Change Description:	<b>Retire Indicator</b>
	Justification:	Cost of data collection for indicator outweighs usefulness
	Justification Description:	CAPEX vs. OPEX expenditure tracking has been deemed irrelevant vis-à-vis technical learning objectives, the Activity/Sub-Activity logic and revised Activity design

<i>Storage facilities</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator

	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact. This indicator intends to measure a potential outcome of projects eligible for grant funding.

<i>Storage capacity</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
	<b>Change Description:</b>	New Indicator
July 2019	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact. This indicator intends to measure a potential outcome of projects eligible for grant funding.

<i>Retail shops established</i>	
Project:	Climate-Resilient Communities

Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact. This indicator intends to measure a potential outcome of projects eligible for grant funding.

<i>Processing facilities</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria

	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact. This indicator intends to measure a potential outcome of projects eligible for grant funding.
--	----------------------------	---

<i>Wells and bore holes built</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
	<b>Change Description:</b>	New Indicator
July 2019	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact. This indicator intends to measure a potential outcome of projects eligible for grant funding.

<i>Animals fattened</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	

July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact. This indicator intends to measure a potential outcome of projects eligible for grant funding.

<i>Fisheries established</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact. This indicator intends to measure a potential outcome of projects eligible for grant funding.

	Change Description:	Retire Indicator
January 2022	Justification:	Irrelevant due to change in Program, Project or Activity scope
	Justification Description:	Types of infrastructures will be function of sub-ICRIP project proposals and approvals. Fishery infrastructures are not guaranteed as of now

<i>Retail shops established</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
	Change Description:	<b>Retire Indicator</b>
January 2022	Justification:	Irrelevant due to change in Program, Project or Activity scope
	Justification Description:	Types of infrastructures will be function of sub-ICRIP project proposals and approvals. Retail shop facility infrastructures are not guaranteed as of now

<i>Processing facilities</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
January 2022	Change Description:	<b>Retire Indicator</b>



Justification:	Irrelevant due to change in Program, Project or Activity scope
Justification Description:	Types of infrastructures will be function of sub-ICRIP project proposals and approvals. Processing facility infrastructures are not guaranteed as of now

<i>Wells and bore holes built</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
January 2022	Change Description:	<b>Retire Indicator</b>
	Justification:	Irrelevant due to change in Program, Project or Activity scope
	Justification Description:	Types of infrastructures will be function of sub-ICRIP project proposals and approvals. Water point infrastructures are not guaranteed as of now

<i>Number of CRA Facility grants completed</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	Target modification

		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	N/A	N/A	N/A	65	65
	Previous Targets	0	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>Number of CRA Facility grants formally amended</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact.
January 2022	Change Description:	<b>Retire Indicator</b>
	Justification:	Irrelevant due to change in Program, Project or Activity scope

Justification Description:	Tracking of grant amendment has been deemed irrelevant vis-à-vis the Activity/Sub-Activity logic and revised design
----------------------------	---

<i>Number of grant agreements signed</i>							
Project:	Climate-Resilient Communities						
Activity:	Climate-Resilient Agriculture						
Sub-Activity:	Grants Facility						
	<b>Change Description:</b>	Target modification					
July 2019		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	0	50	65	65	65	65
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>Value of grant agreements signed</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	Target modification

		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	N/A	5,000,000	7,500,000	7,500,000	7,500,000	7,500,000
	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>Amount disbursed by CRA Grants Facility</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact.

<i>Amount disbursed for Grants Facility overhead and technical support (name change)</i>							
January 2022	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	N/A	N/A	N/A	TBD	TBD	TBD

Previous Targets	N/A	500,000	750,000	750,000	750,000	750,000
Justification:	TBD replaced with target					

<i>People associated with each grant</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact.

<i>Grant Facility is established and functional</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator

	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact.

<i>Grantees trained</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact.

<i>Value of support budgeted</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	

July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were add to ensure all of the results statements are being measured through the Compact.
January 2022	Change Description:	<b>Retire Indicator</b>
	Justification:	Irrelevant due to change in Program, Project or Activity scope
	Justification Description:	Tracking of direct budget support has been deemed irrelevant vis-à-vis the Activity/Sub-Activity logic and revised design

<i>Applications received</i>							
Project:	Climate-Resilient Communities						
Activity:	Climate-Resilient Agriculture						
Sub-Activity:	Grants Facility						
July 2019	<b>Change Description:</b>	Target modification					
		Year 1	Year 2	Year 3	Year 4	Year 5	End of compact
	Revised Targets	N/A	75	85	85	85	85

	Previous Targets	TBD	TBD	TBD	TBD	TBD	TBD
	Justification:	TBD replaced with target					

<i>Applications shortlisted for proposal development</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
July 2019	<b>Change Description:</b>	New Indicator
	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were added to ensure all of the results statements are being measured through the Compact.

<i>Outreach campaigns for CRA Grants-Round 2</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Grants Facility	
January 2022	<b>Change Description:</b>	New Indicator



Justification:	Existing indicators do not sufficiently meet adequacy criteria
Justification Description:	MIS required a new indicator in order to measure 2 dates for targets.

<i>Hectares irrigated</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	N/A	
July 2019	<b>Change Description:</b>	Retire Indicator
	Justification:	Relevant due to change in Program, Project or Activity scope
	Justification Description:	Indicator to be replaced by a more relevant one

<i>Hectares with access to rehabilitated irrigation</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	N/A	
July 2019	<b>Change Description:</b>	Retire Indicator

	Justification:	Relevant due to change in Program, Project or Activity scope
	Justification Description:	Indicator to be replaced by a more relevant one

<i>Agriculture value chain partners</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Private Sector Partnership	
	<b>Change Description:</b>	New Indicator
January 2022	Justification:	Relevant due to change in Program, Project or Activity scope
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were added to ensure all of the results statements are being measured through the Compact

<i>Applicants selected in the three priority sectors (fertilizer, solar energy &amp; ag processing)</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Private Sector Partnership	
January 2022	<b>Change Description:</b>	New Indicator

Justification:	Existing indicators do not sufficiently meet adequacy criteria
Justification Description:	Head-counting of applicants per sectors is determined necessary to track sectors of most interest and relevance of investments

<i>Amount provided</i>		
Project:	Climate-Resilient Communities	
Activity:	Climate-Resilient Agriculture	
Sub-Activity:	Private Sector Partnership	
	<b>Change Description:</b> New Indicator	
January 2022	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	After further developing this sub-activity and updating the program logic, additional indicators were added to ensure all of the results statements are being measured through the Compact

### Climate-Resilient Communities Project

#### Regional Sahel Pastoralism Support (PRAPS) Activity

<i>Vaccination coverage</i>	
Project:	Climate-Resilient Communities
Activity:	Regional Sahel Pastoralism Support Activity

Sub-Activity:	Animal Health Sub-Activity													
January 2022	<b>Change Description:</b>	Target modification												
		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact		
		C B PP	PP R	C B PP	PP R	C B PP	PP R	C B PP	PP R	C B PP	PP R	CB PP	PP R	
	Revised Targets	55	38	60	41	65	44	70	47	80	80	80	80	
	Previous Targets	TBD		TBD		TBD		TBD		80		80		
	Justification:	TBD replaced with target												

<i>Veterinaries who complete training or re-training</i>														
Project:	Climate-Resilient Communities													
Activity:	Regional Sahel Pastoralism Support Activity													
Sub-Activity:	Animal Health Sub-Activity													
January 2022	<b>Change Description:</b>	Target modification												
		Year 1		Year 2		Year 3		Year 4		Year 5		End of compact		
	Revised Targets	0		N/A		N/A		28		28		28		
	Previous Targets	TBD		TBD		TBD		TBD		TBD		TBD		
	Justification:	TBD replaced with target												

<i>Public posts of veterinary control built</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support Activity	
Sub-Activity:	Animal Health	
July 2019	<b>Change Description:</b>	Target modification
	Revised Baseline	2
	Previous Baseline	4
	Justification:	New information, approved by MCC, on existing or new variables emerges
	Justification Description:	After further investigation, MCC and the Ministry of Livestock and Agriculture have agreed that the Compact will be targeting the construction of 2 posts.

<i>New private veterinary clinics upgraded or built</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support Activity	
Sub-Activity:	Animal Health	
January 2022	<b>Change Description:</b>	Retire indicator
	Justification:	Irrelevant due to change in Program, Project or Activity scope

Justification Description:	The construction of new private veterinary clinics is no longer considered in the revised design and logic
----------------------------	--

<i>Public posts of veterinary control built</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support Activity	
Sub-Activity:	Animal Health	
	<b>Change Description:</b>	Retire indicator
January 2022	Justification:	Irrelevant due to change in Program, Project or Activity scope
	Justification Description:	The construction of public posts of veterinary control is no longer considered in the revised design and logic

<i>Production growth rate</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support	
Sub-Activity:	Corridor Improvement	
July 2019	<b>Change Description:</b>	Retire indicator

	Justification:	Cost of data collection for indicator outweighs usefulness
	Justification Description:	Regular reporting of this indicator would be costly and logistically unfeasible. It has been moved to the category of evaluation indicators.

<i>Communes with social accords</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support	
Sub-Activity:	Corridor Improvement	
	<b>Change Description:</b>	New Indicator
January 2022	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	Social accords with communes are key to the ensuring agreement of local government authorities for the implementation of the projects, and thus a critical step on the logic and expected results

<i>Hectares restored and secured</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support	
Sub-Activity:	Corridor Improvement	

	<b>Change Description:</b>	New Indicator
January 2022	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	The revised logic and detailed design require tracking pasture lands as a key metric for corridor improvement investments

<i>Pasture land management trained</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support	
Sub-Activity:	Corridor Improvement	
	<b>Change Description:</b>	New Indicator
January 2022	Justification:	Existing indicators do not sufficiently meet adequacy criteria
	Justification Description:	The revised logic and detailed design require tracking training of land management personnel as a key measurement tool for corridor improvement investments

<i>Animals sold</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support	
Sub-Activity:	Market Infrastructure	



July 2019	<b>Change Description:</b>	Baseline modification
	Revised Baseline	837,508 (2017)
	Previous Baseline	0
	Justification:	New information, approved by MCC, on existing or new variables emerges
	Justification Description:	MCC anticipates rehabilitating existing markets rather than constructing new markets. The figure reported here is the sum of animals sold on all markets pre-selected for rehabilitation in the year prior to Compact implementation.

<i>Animals presented for sale</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support	
Sub-Activity:	Market Infrastructure	
July 2019	<b>Change Description:</b>	Baseline modification
	Revised Baseline	1,287,343 (2017)
	Previous Baseline	0
	Justification:	New information, approved by MCC, on existing or new variables emerges
	Justification Description:	MCC anticipates rehabilitating existing markets rather than constructing new markets. The figure reported here is the sum of animals sold on all markets pre-selected for

		rehabilitation in the year prior to Compact implementation.
--	--	---

<i>Participants trained in rangeland management</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support	
Sub-Activity:	Market Infrastructure	
July 2019	<b>Change Description:</b>	Retire indicator
	Justification:	Indicator quality is determined poorer than initially thought when included in plan
	Justification Description:	After discussing with PRAPs sector lead, it was decided that there was substantial overlap between this indicator and "Organizations trained in management of pastoral land." Due to this redundancy, and this indicator being the less well defined of the two, it has been retired.

<i>Dairy products sold</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support	
Sub-Activity:	Market Infrastructure	
January 2022	<b>Change Description:</b>	Retire indicator

Justification:	Irrelevant due to change in Program, Project or Activity
Justification Description:	Dairy product sale is no longer part of the logic and revised detailed Activity design, and thus, is no longer part of the program investments

<i>Average price of dairy products</i>		
Project:	Climate-Resilient Communities	
Activity:	Regional Sahel Pastoralism Support	
Sub-Activity:	Market Infrastructure	
	<b>Change Description:</b> Retire indicator	
January 2022	Justification:	Irrelevant due to change in Program, Project or Activity
	Justification Description:	Tracking sales of milk and derivative products is no longer part of the logic and revised detailed Activity design, and thus, is no longer part of the program investments

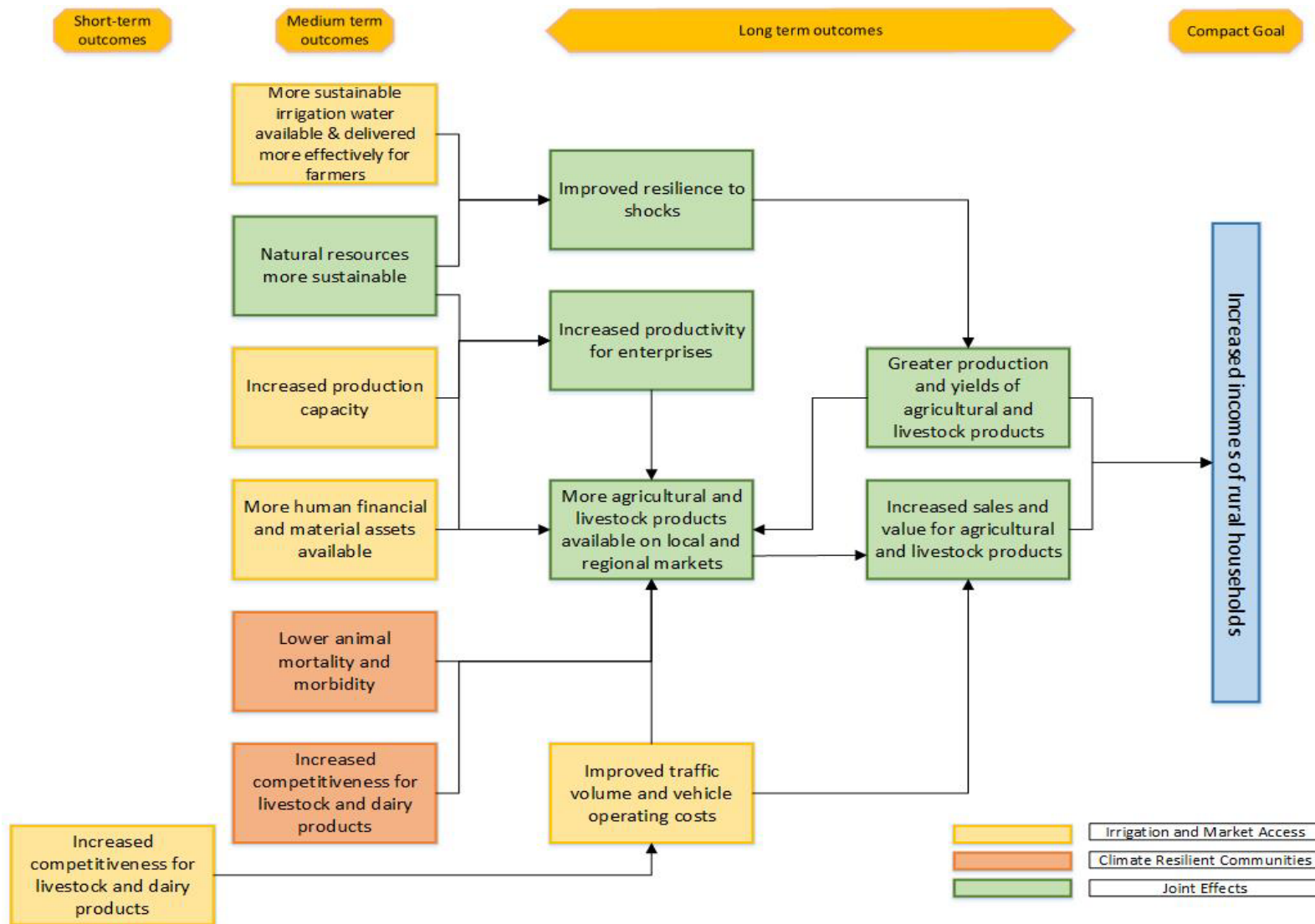


## **ANNEX IV: EVALUATION INDICATORS**

Evaluation indicators will be analyzed through MCC's independent evaluations. These indicators will be refined and updated as the evaluation designs are completed and modified over time. Baselines and targets may also be updated once new data is collected.



# ANNEX V: NIGER COMPACT-WIDE LOGIC



## **ANNEX VI: COMPACT STRUCTURE**

1. Irrigation and Market Access Project
  - a. Irrigation Perimeter Development Activity
  - b. Management Services and Market Facilitation Activity
    - i. Land Tenure Security Sub-Activity
    - ii. Sustainable Irrigation System Management Sub-Activity
    - iii. Agricultural Support Services Sub-Activity
  - c. Roads for Market Access Activity
    - i. RN7
    - ii. RN35
    - iii. Sambera Rural Road (RRS)
  - d. Policy Reform Activity
    - i. Natural Water Resource Planning Sub-Activity
    - ii. Protected Areas Planning Sub-Activity
    - iii. Fertilizer Distribution Reform Sub-Activity
    - iv. Statistical Capacity Development Sub-Activity
2. Climate-Resilient Communities Project
  - a. PRAPS Activity
  - b. Climate-Resilient Agriculture Activity
    - i. ICRIPs Sub-Activity
    - ii. Grants Facility Sub-Activity
      1. CRA Grants funding window
      2. Private Sector Partnership funding window



## ANNEX VII: CRC ELIGIBLE COMMUNES

Communes Targeted for PRAPS and CRA Interventions				
N°	Region	Communes	PRAPS	CRA
1	Maradi	Adjékoria	x	
2	Maradi	Korafane	x	
3	Maradi	Dam Goulbi	x	x
4	Maradi	Bermo	x	
5	Maradi	Chadakori	x	x
6	Maradi	Sabon Machi		x
7	Maradi	Guidan Roundji		x
8	Tahoua	Tahoua	x	
9	Tahoua	Tilia	x	
10	Tahoua	Affala	x	
11	Tahoua	Bambeye	x	
12	Tahoua	Bambam Katami	x	
13	Tahoua	Badaguichiri	x	
14	Tahoua	Illéla	x	
15	Tahoua	Tajaé	x	
16	Tahoua	Malbaza	x	x
17	Tahoua	Konni	x	x
18	Tahoua	Tsernaoua	x	x
19	Tahoua	Doguèrawa		x
20	Tillabéry	Dantchandou	x	
21	Tillabéry	Hamdallaye	x	
22	Tillabéry	Kirtachi	x	
23	Tillabéry	Kouré	x	x
24	Tillabéry	Dingaji Banda	x	
25	Tillabéry	Simiri	x	
26	Tillabéry	Tondikandia	x	
27	Tillabéry	N'Dounga		x
28	Tillabéry	Liboré		x
29	Dosso	Dioundiou	x	
30	Dosso	Zabori	x	
31	Dosso	Fakara	x	
32	Dosso	Fabidji	x	
33	Dosso	Garandakeye	x	
34	Dosso	Gourou Bankassam	x	
35	Dosso	Mokko	x	x
36	Dosso	Fareye	x	
37	Dosso	Sambéra	x	
38	Dosso	Tessa	x	x
39	Dosso	Sakorbe	x	
40	Dosso	Falmeye	x	
41	Dosso	Tanda	x	
42	Dosso	Tombo Koarey I		x
43	Dosso	Tombo Koarey II		x
44	Dosso	Kargui Bangou		x

