

## ANNEX 6: indicative M&E Plan

According to the *NAMA Facility Monitoring and Evaluation Framework* one important aspect of the NSP implementation is the need to demonstrate progress on the core objectives of the NAMA Facility i.e. on greenhouse gas (GHG) emission reductions – as well as on sustainable development co-benefits in a systematic and verifiable manner. To do this NSPs' data collection and monitoring and reporting systems need to be harmonised with each other and must be sound and systematic.

**Monitoring** is the continuous or periodic function that involves the systematic collection of data (qualitative and quantitative) for the purposes of keeping activities on track. **Evaluation** is the systematic and impartial assessment of the NSP. It aims to determine the relevance, impact, effectiveness, efficiency and sustainability of the NSP and contributions of the partners involved.

The **baseline scenario** is being used to calculate the target value. By implementing a sustainable financial mechanism, the NSP will increase the grid connected installed capacity of PV from 0 to 10.5 MW, the annual generation of sustainable electricity from 0 to (approximately) 16,851 MWh/a during NSP and will lay the foundation for further private investments in renewable energy in The Gambia. Therefore, in this NSP all baseline values for outcome as well as output indicators are set at 0.

### Quality assurance mechanisms

The quality assurance mechanism primarily consists of validating collected data/information (e.g. MW installed, MWh generated, number of people participating in training, number of feasibility study by 2 different sources (e.g. MW installed by IPP and NAWEC, MWh generated by IPP and NAWEC, emission factor according to CDM methodology and national expert etc.)

### Tentative dates for evaluation(s)

Mid-term evaluation: 2.5 years after commencement of NSP

End of project NSP evaluation:

Please give the name of the person responsible for M&E.: Almamy Camara, UNDP

Indicator	Data collection methods and sources	Responsibility	Baseline	Reporting dates (accumulated data) and indication of milestones					Target /end of project values (accumulated data)		
				End of year 1 (2020)	End of year 2 (2021)	End of year 3 (2022)	End of year 4 (2023)	End of year 5 (2024)	End of project	2022	2024 (see end of project)
Impact: Transformation towards a low-carbon society in line with The Gambia’s Nationally Determined Contribution											
Outcome Indicators											
M1: Reduction of greenhouse gas emissions	<p><b>calculations</b> as according to Annex 7 most relevant parameters: net electricity generation EGBLy, and emission factor EFCO2y, implementation time;</p> <p><b>sources:</b> generation reports by IPP based on standard metering, payments by NAWEC, emission factors according to CDM: AMS-I.F.: Version 3.0</p>	UNDP	0	0	0	12,896	12,896	12,896	38,688	14,107	42,321

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<p><b>M2 (a):</b> Number of people directly benefitting from NAMA Support Projects <i>People gaining improved capacities (target group NAWEC staff – capacity to develop and implement PV IPPs)</i></p>	<p><b>measurement/ identification</b> (= <b>sources</b>) of contracts with technical experts supporting NAWEC during IPP implementation, signed lists of participation in trainings etc.</p>	UNDP	0	5	5	0	0	0	10	10	
<p><b>M2 (b):</b> Number of people directly benefitting from NAMA Support Projects <i>People gaining improvements in quality of life (e.g. sustainable energy supply to grid connected households)</i></p>	<p><b>calculations</b> as according to the assumptions (most relevant parameters are EGBLy and factor demand for electricity from a typical household, average size of household in The Gambia)  <b>sources:</b> generation reports by IPP based on standard metering, payments by NAWEC, connection rates, IDA/ IBRD reports</p>	UNDP	0	0	0	144,500	144,500	144,500	144,500	144,500	144,500

[illegible]

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<i>financial mechanism for PV installation and operation. Additional actors apply same or similar financial mechanism</i>											
		UNDP	0	(see Indicator ToC Output 3)							
	<b>ToC Outcome 2:</b> Increase of renewable energy-based electricity generation	<b>calculations</b> as according to Annex 7 most relevant parameters: net electricity generation EGBLy;	UNDP	0	0	10.5 MW installed capacity	16,851M Wh/a	16,851 MWh/a	16,851MWh h/a	10.5 MW 50,553 MWh	10.5 MW installed capacity

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	<b>sources:</b> generation reports by IPP based on standard metering, payments by NAWEC				y						h
<b>ToC Outcome 3:</b> Reduction of fossil fuels imports	<b>calculations</b> as according to Annex 7 most relevant parameters: net electricity generation EGBLy; and factor of efficiency of existing fossil fuel-based power plants) <b>sources:</b> generation reports by IPP based on standard metering, payments by NAWEC, NAWEC measurements on energy efficiency of power plants etc.	UNDP	0	0	0	3,964,941 l	3,964,941 l	3,964,941 l	11,894,823 l	3,964,941 l	11,894,823 l
<b>Output Indicators</b>											
<b>ToC Output 3 (activity 5):</b> Improve the capacity of NAWEC  <ul style="list-style-type: none"> <li>Standard PPA document finalized, used by trained NAWEC staff</li> <li>Experience gained by NAWEC staff with use</li> </ul>	<b>sources:</b> standard PPA document., document about financing mechanism, feasibility reports, public tenders etc	UNDP	0	1	0	0	0	0	1	1	1
			0	1	0	0	0	0	1	1	1
			0	0	0	0	3	0	3	0	3

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<p>of PPA guarantee mechanism (expectations of project developers and financial sector in PPA and insurance approaches)</p> <ul style="list-style-type: none"> <li>Number of feasibility studies for further NAWEC originated PV IPP projects</li> </ul> <p><b>ToC Output 4</b> (activity 6): Improve NSP efficiency through MRV</p>											
	<p><b>sources:</b> the final NSP M&amp;E plan will be signed off by responsible position nominated by <i>UNDP</i> &amp; <i>MECCNAR</i>/NAWEC, regular reports</p>	UNDP	0	1	1	1	1	1	1	1	1