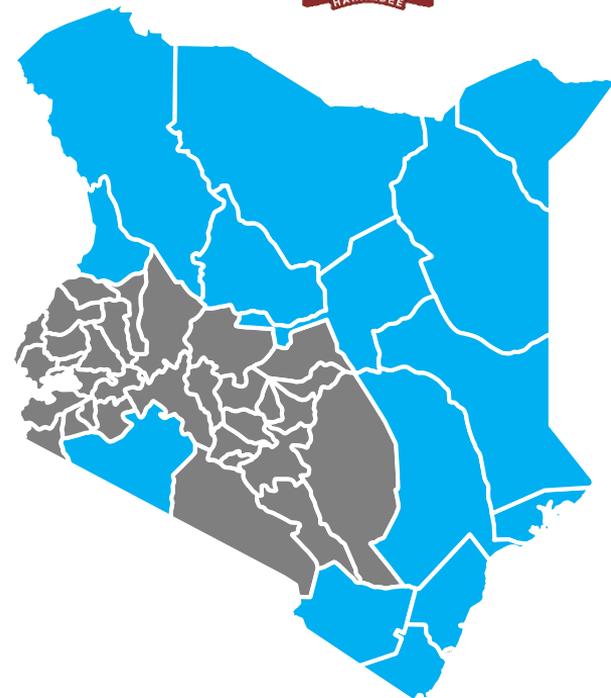


# Kenya – Off-Grid Solar Access Project (KOSAP)

Increasing access to energy services in the underserved counties of Kenya, namely; Turkana, West Pokot, Samburu, Marsabit, Isiolo, Mandera, Wajir, Garissa, Tana River, Lamu, Kwale, Kilifi, Taita Taveta and Narok.



# Outline

- Project Overview
- Project Implementation Sites
- Project Implementation Status
- Budgetary allocation per county
- Annex project implementation site list

# KOSAP Project Overview

## Objectives

**To increase access to energy services in 14 underserved counties of Kenya**

- \$150 million allocation with FY17 delivery; funded by World Bank and carbon fund
- Targets Households, Communities, Enterprises, Water Pumping

## Components

1. Mini-grids for Community Facilities, Enterprises, and Households (\$40 million)
2. Standalone Solar Systems and Clean Cooking Solutions for Households (\$48 million)
3. Standalone Solar Systems and Solar Water Pumps for Community Facilities (\$40 million)
4. Implementation Support and Capacity Building (\$22 million)
  1. *Consumer Education and Citizen Engagement*
  2. *Implementation Support and Strategic Planning and Program Management Unit*
  3. *Capacity Building of County Governments*

## Implementation Arrangements

### **K-OSAP Implementation arrangements**

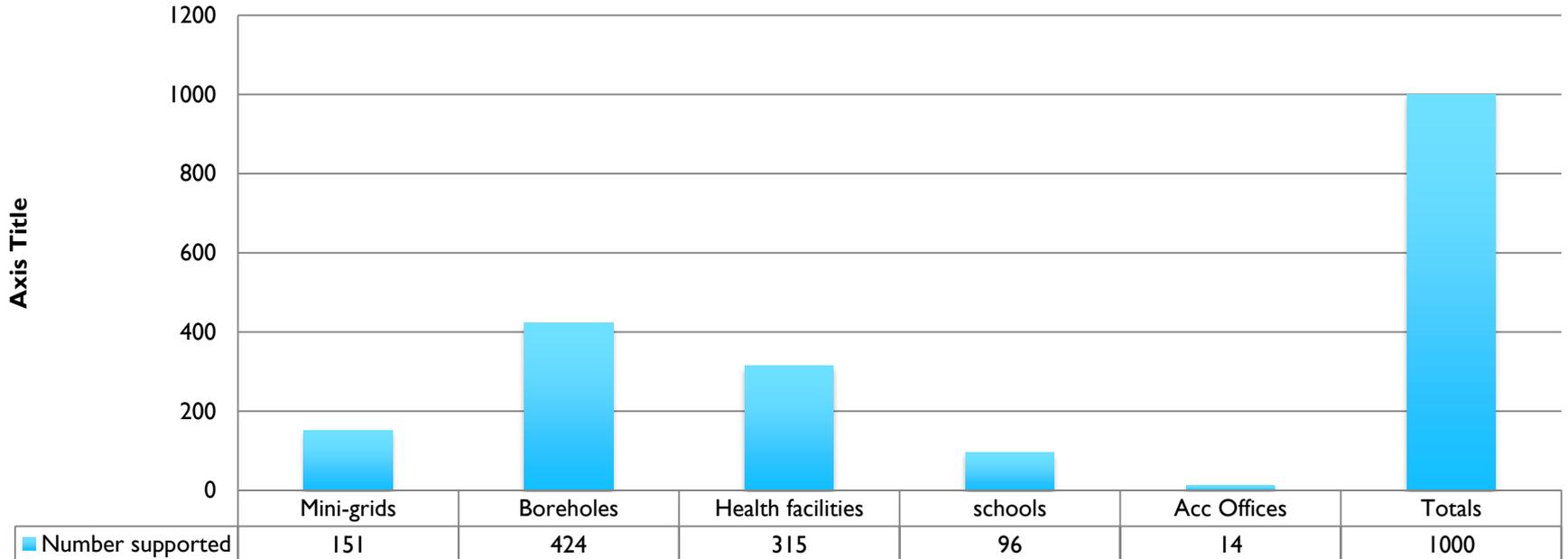
- MoE, KPLC and REA will be implementing agencies at the national level
- County Government Representatives will be part of Steering and Technical Working Group set up to oversee project design and implementation. Representation from concerned ministries (Ministry of Health, Ministry of Education, Ministry of Interior and Ministry of Water) is present both at the Steering Committee and Technical Working group levels
- Project Coordination Unit within MoE

# **Project Implementation sites by Counties**



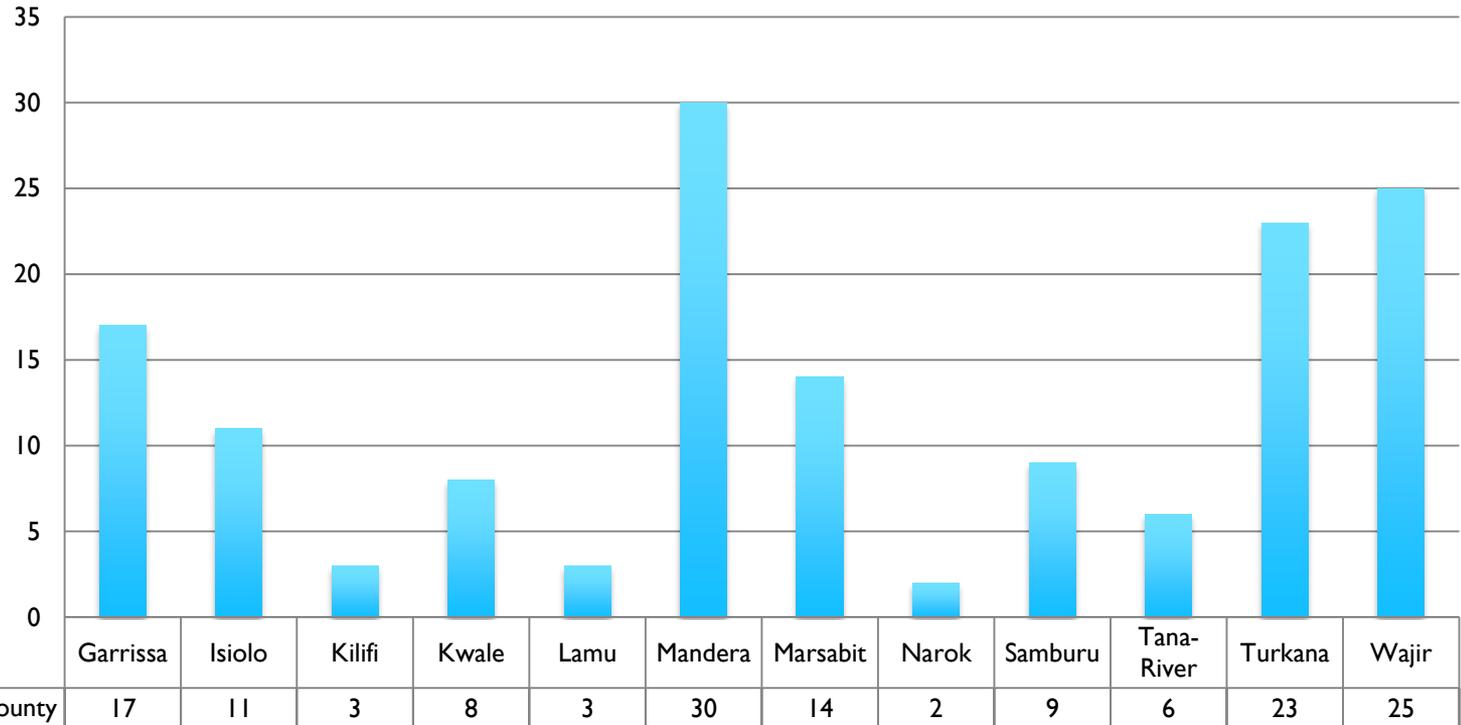
# Number of Mini-grids, Public facilities and Borehole sites supported by KOSAP project in the 14 Counties

## Number of Mini-grids, public facilities and Boreholes supported through KOSAP



## Number of Mini-grid sites by Counties

### Number of mini-grid sites by county

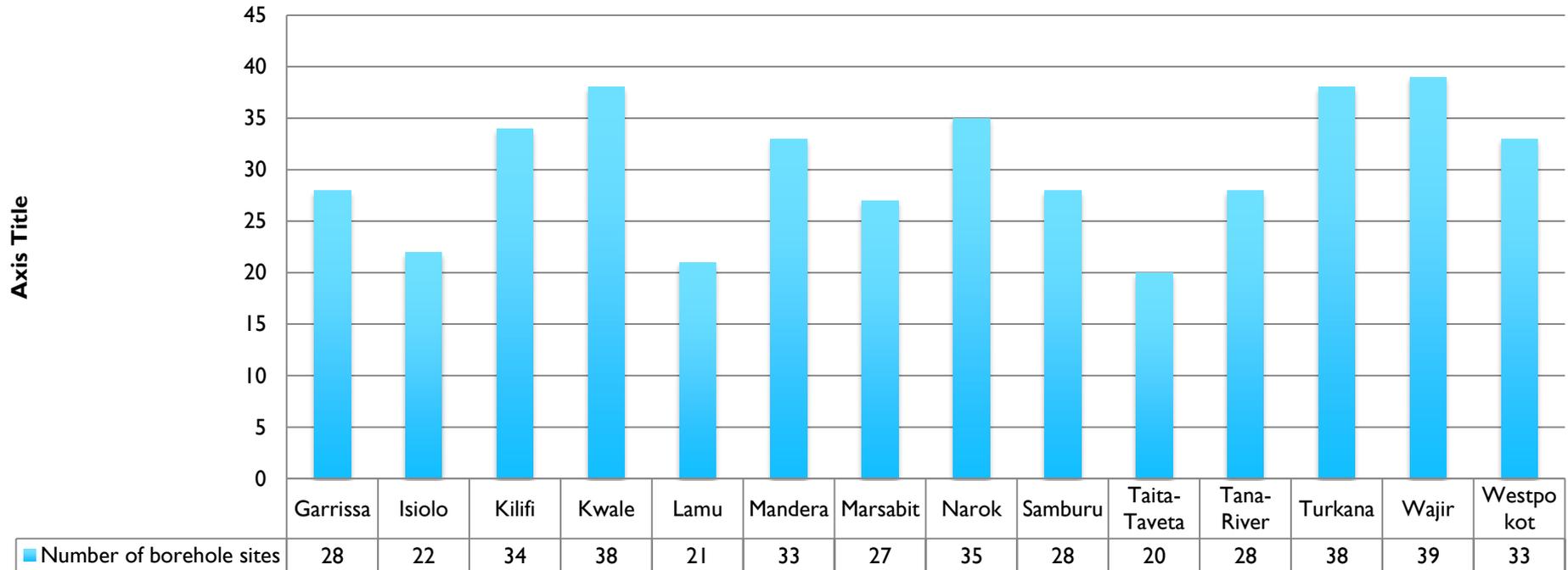


Axis Title

■ Number of mini-grid sites by county

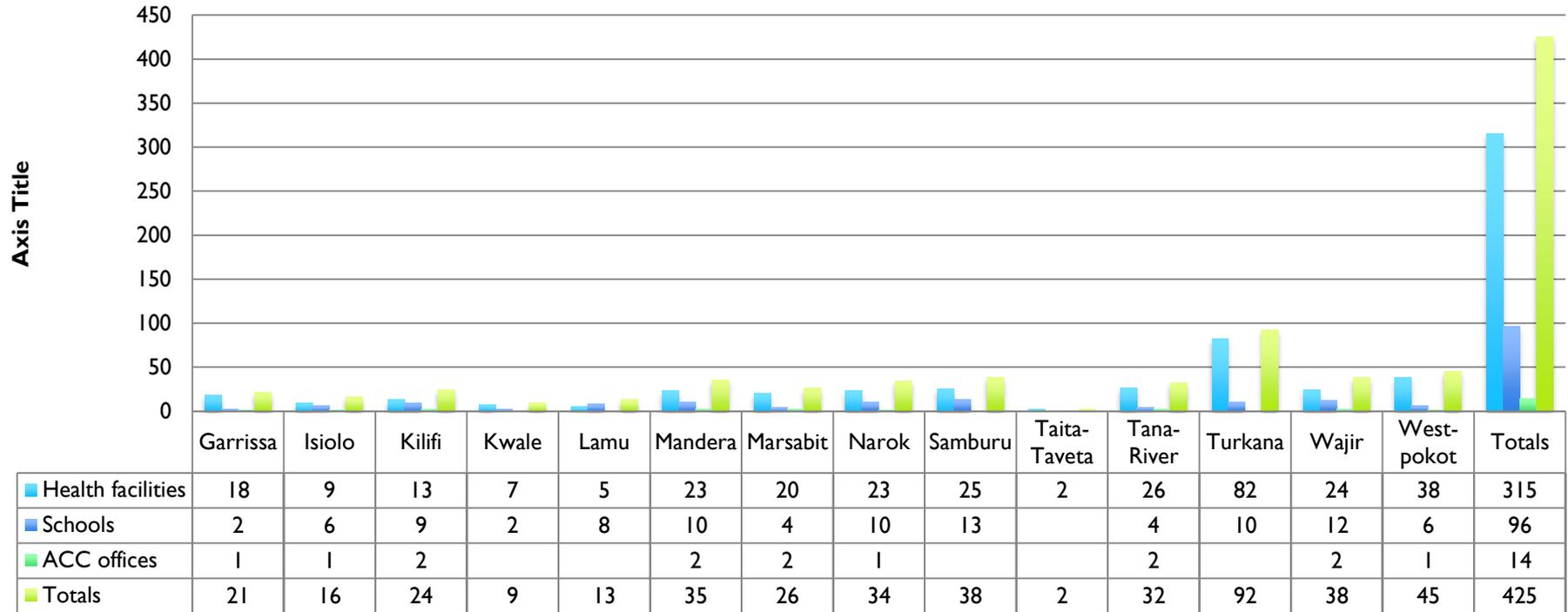
## Number of Bore-hole sites by Counties

### Number of borehole sites



## Number of Public facilities supported by the Project for each County

### Number of public facilities supported by KOSAP project



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# **Current Implementation Status**



## Component I- Mini-Grids for Community Facilities, Enterprises and Households

### Key achievements under component I

- Identified the 151 mini-grid sites locations in the 14 counties.
- Completed field survey of 145 mini-grid sites on the 28<sup>th</sup>/03/2019 in all the fourteen (14) counties. Six mini-grid sites were not surveyed due to insecurity concerns. The exercise also determined the location of the mini-grids sites;

### Ongoing- Activities

- ✓ Procurement of works supervision consultants for Mini-Grids on-going.
- ✓ Preparation of bid documents and mini-grid profiles. Ongoing

### Key Discussion Areas

Land in Counties is largely community owned. Close collaboration and support of the County Governments will be key to land acquisition.

six of the 151 Minigrid sites were not profiled due to insecurity within the counties, the six (6), five were from Mandera county (Omar Jillow, Fino, Kabo, Elgolicha and Elram) and the remaining one (1) from Turkana County (Chepropoi (Nakwamoru),

## Cont. Component 2- Stand-alone Solar Home Systems and Clean Cooking Solutions

### Key achievements under component 2

The Facilities will provide incentives and loans for the private sector to invest in the underserved Counties. It is anticipated that through this intervention 250,000 households will be connected with solar home systems in all the 14 counties.

In addition 150,000 cook-stoves will be sold and supplied to the following counties; West Pokot, Turkana, Isiolo, Samburu, Kwale, Kilifi, Taita- Taveta and Marsabit.

Procurement of a Result Based Facility(RBF) and Debt Facilities Manager for the component on Electrification of households through standalone solar systems and provision of clean cooking solutions for house-holds was completed in November 2018.

Facility launched on 11<sup>th</sup> June 2019 paving way for call for Eols from the private sector in June 2019 and receipt of business proposals by end of July 2019

## Component 2- Stand-alone Solar Home Systems and Clean Cooking Solutions

### Key Discussion Areas

- ✓ Counties to explore the possibilities of residents setting-up businesses that can benefit from this.
- ✓ Private sector to target residents for inclusion as distribution agents especially women
- ✓ Licensing and permitting of businesses that will be set-up.
- ✓ Community engagement to create awareness on the benefits on use of Solar Home Systems and cook-stoves.

## Cont. Component 3- Stand-alone Solar Systems for Community Facilities and Solar Water Pumps for Community Boreholes

### Key achievements under component 3

Component 3(A): Consultant hired to carry out feasibility study for 425 public facilities.

Component 3(B): Procurement of consulting services to carry out borehole investigation, water quality and test pumping survey for the 424 is complete.

### Ongoing- Activities

Procurement of works supervision consultants for 3 (A) **Stand-alone Solar Systems for Community Facilities** and 3 (B) **Solar Water Pumps for Community Boreholes** ongoing.

preparation of bidding documents and profiles for the stand alone solar systems for community facilities- Ongoing

Timelines for Expected Activities	Start date	Expected completion	Status
Carry out boreholes Investigations study	April 2019	August 2019	Ongoing
Procurement of Works Supervision Consultants	Jan 2018	July 2019	Ongoing
Procurement of Works Contractor	Sep 2019	Feb 2020	Not yet due
Supply, Installation of 424 No. Solar Water Pumping Systems	March 2020	March 2022	Not yet due
Preparation of bidding documents and profiles for stand alone solar systems	May 2019	July	On-going

## Cont. Component 3- Stand-alone Solar Systems for Community Facilities and Solar Water Pumps for Community Boreholes

### Key Discussion Areas

- ✓ Community engagement on a continuous basis
- ✓ 45 public facilities sites were not profiled due to insecurity in the following counties; Garrissa (12), Lamu (12), Mandera (15), Marsabit (1), Samburu (1) and Turkana (4).

## Component 4- Implementation Support and Capacity Building

### Key achievements under component 4

- ✓ Procurement of Consultancy services for the consumer education and awareness creation Completed.
- ✓ To date a total of 53 county officer's out of a target of 88 have undergone through trainings in Solar PV T1 & T2, Sustainable Energy, project planning and implementation, Environmental and social management and result based Monitoring and Evaluation offered in Strathmore university, Kenya school of Government, ESAMI Mombasa and JKUAT.
- ✓ County Working Groups have been established in all the 14 beneficiary Counties.

### Ongoing- Activities

- ✓ Regular quarterly Meetings of the County Working Groups being facilitated by MOE.
- ✓ Biannual meetings of the Technical Working Group are being held.
- ✓ Capacity Building for County Officers including for CECs/COs/Directors and other officers in energy matters being undertaken
- ✓ Procurement of Consultancy Service for Verification Agent for the mini-grids, Standalone Community System, and home

### Timelines for Expected Activities

Finalization of the county trainings for FY 2018/ 19

Nov 2018

June 2019

On-going

Procurement of the Verification agent for the mini-grids, stand-alone, home-systems and cook stoves on-going

April 2018

August 2019

On-going

Facilitate next round of the quarterly county working group meeting

July, 2019

August 2019

Not-started

### Key Discussion Areas

Management and Active Participation of all stakeholders engaged in the project is critical.

## Cont. Component 4- Implementation Support and Capacity Building

### Key achievements under component 4

- ✓ Preparation of documentation for registration of the KOSAP project at UNFCCC for the carbon finance component done.

### Ongoing- Activities

- ✓ Procurement of Consultancy Services to access HH clean cooking market . On-going
- ✓ Procurement of Consultancy Service for a firm to carry out National Impact evaluation survey of the last mile connectivity Project . On-going
- ✓ Procurement of Consultancy Service for a firm to carry out training needs assessment (TNA). On-going
- ✓ Procurement of Consultancy Service for exploration of options for productive use and demand creation- On-going

### Timelines for Expected Activities

Start date

Expected completion

Status

Procurement of consultancy services to access HH clean cooking market

May 2019

October 2019

On-going

Procurement of the Consultancy services for a firm to carry out National impact evaluation survey of the last mile connectivity project

May 2019

October 2019

On-going

Procurement of consultancy services for a firm to carry out training needs assessment

May, 2019

October 2019

On-going

Procurement of Consultancy Service for exploration of options for productive use and demand creation- On-going

May 2019

October 2019

On-going

# **Budgetary Allocation for the components by Counties**



# Budget Allocation by Counties in Million USD

## Budget allocation by counties

