

Energy Survey
Community Questionnaire for Impact Evaluation and Tier Analysis

A. COMMUNITY IDENTIFICATION

A.1	Region Name		See codebook
A.2	Region Code		See codebook
A.3	District Name		See codebook
A.4	District Code		See codebook
A.5	Village/Town Name		
A.6	Locality		Urban.....1 Rural.....2
A.7	Interview Language		
A.8	Community ID		See codebook
A.9	GPS Coordinates of main community office or community center	a. Latitude ° . ' s	b. Longitude ° . ' e

B. COMMUNITY LEADERS

Make a complete list of all individuals who are part of the group of informants for the community questionnaire.

B.1	B.2		B.3		B.4	B.5	B.6	B.7
ID CODE	CAPI: Record the start time of the interview		CAPI: Record day and month of interview		Name	Sex	Age	What position do you currently have in this community? 1. The head of the village 2. In charge of social affairs 3. In charge of security at the village level 4. In charge of development 5. Representative of the council at the village level 6. Women representative 7. Youth representative 8. Representative of people with disabilities 9. Businessman at village level 10. FBO (Faith-Based Organization) representative 11. Community health worker representative 555. Other, specify
	a. Hour	b. Min	a. Month	b. Day		Male.....1 Female.....2	Years	
1								
2								
3								
4								
5								

C. BACKGROUND

C.1	How many households are currently living in the entire community?		Number of households
C.2	What is the main source of income for most households in the community?		Crop cultivation.....1 Livestock.....2 Fishing/Hunting.....3 Trading.....4 Services.....5 Small-scale industry (non-farm).....6 Large-scale commercial industry (non-farm).....7 Transport.....8 Professional occupations.....9 Civil service.....10 Other, specify.....555
C.3	Is there a second most common source of income for the households in the community?		Yes.....1 No.....0→ D.1 Error! Reference source not found.
C.4	What is the second most common source of income for most households in the community?		Crop cultivation.....1 Livestock.....2 Fishing/Hunting.....3 Trading.....4 Services.....5 Small-scale industry (non-farm).....6 Large-scale commercial industry (non-farm).....7 Transport.....8 Professional occupations.....9 Civil service.....10 Other, specify.....555
C.5	Is there a third most common source of income for the households in the community?		Yes.....1 No.....0→ D.1
C.6	What is the third most common source of income for most households in the community?		Crop cultivation.....1 Livestock.....2 Fishing/Hunting.....3 Trading.....4 Services.....5 Small-scale industry (non-farm).....6 Large-scale commercial industry (non-farm).....7 Transport.....8 Professional occupations.....9 Civil service.....10 Other, specify.....555

D. TRANSPORTATION, COMMUNICATION, AND WATER SUPPLY

D.1	Is this community affected by seasonality in terms of accessibility to the nearest city?		Yes.....1 No.....0
D.2	Is the village accessible by motor vehicle (car or truck) in the rainy season?		Yes1 No.....0 Skip to D4
D.3	Is the village accessible through paved roads in the rainy season?		Yes1 No.....0
D.4	Is the village accessible by motor vehicle (car or truck) in the dry season?		Yes1 No.....0 Skip to D6
D.5	Is the village accessible through paved roads in the dry season?		Yes1 No.....0
D.6	What is the distance in kilometers from the village to the district center?		Kilometers
D.7	Can a mobile phone get a working signal in the community?		Yes.....1 No.....0 => E.9
D.8	Is the signal available throughout the community or only in parts of the community? <i>Read aloud options</i>		Everywhere in the community.....1 Most parts of the community.....2 Half of the community.....3 Only a few parts of the community.....4
D.9	What is the main source of drinking water supply for most households in the community?		Pipe borne water treated.....1 Pipe borne water untreated.....2 Borehole/ hand pump.....3 Electric water pump.....4 Well/spring protected.....5 Well/spring unprotected.....6 River/spring.....7 Lake/reservoir.....8 Rain-water.....9 Tanker/truck/vendor.....10 Sachet water.....11 Bottle water.....12

E. INFRASTRUCTURE AND SERVICES

E.1	E.2	E.3	E.4	E.5	E.6	E.7
ID	Infrastructure/Service Name	How many of [INF/ SERVICE] are available in the community? <i>If greater than 0 → E.5</i>	How far away is the nearest [INF/SERVICE] from the community? (kilometers) → NEXT ROW	In what year did this service first begin operating in this community?	In the last year, have these facilities used electricity? Yes, all.....1 Only some....2 No, all.....3 → NEXT ROW	Main Source of electricity National grid.....1 Mini-grid.....2 Electric generator.....3 Solar Lantern.....4 Solar Lighting System.....5 Solar Home System.....6 Rechargeable Battery.....7 Dry-cell battery.....8
1	Pre-primary school / Kindergarten					
2	Primary school					
3	Secondary school/high school					
4	TVET (technical vocational training institution)					
5	Bus stop					
6	Private clinic					
7	Government clinic/Public Health Center					
8	Dispensary or pharmacy					
9	Hospital					
10	Market					
11	Milk collection center					
12	Bank branch					
13	Microfinance Institutions (MFIs)					
14	Police station					
15	Post office					
16	Internet café					
17	Non-MFI NGOs					
18	Agriculture extension office					
19	Grain/saw/oil mill					
20	Mobile phone charging/repairing service					
21	Electric Water pump					
22	Temple/Monastery/Church/Mosque					
23	National Electricity Utility Office					

F. ENERGY/FUEL PRICE IN THE COMMUNITY

F.1 ID	Energy Source/Fuel	F.2 Which unit is used to measure the [FUEL] in this community? <i>Codes</i> 1. Kg 2. Liters 3. Kwh 4. Cubic meter 5. Pile of wood 6. Stere of wood 7. Bucket of charcoal 8. Sac/Bag of charcoal 9. Other (specify)	F.2B If the measurement unit is not conventional, measure and write the weight value (in kg, liter, etc.)	F.3 What is the current Market Price/Unit for [FUEL]? (local currency)	F.4 Does the price of [FUEL] change over the course of the year? Yes...1 No....0→Next row	F.5 What is the lowest market price of [FUEL] in the last year? (local currency)	F.6 What is the highest market price of [FUEL] in the last year? (local currency)
1	LPG/cooking gas						
2	Piped natural gas						
3	Biogas						
4	Electricity	Prefill: kWh		Prefill: Tariff structure			
5	Wood/Twigs						
6	Charcoal						
7	Kerosene						
8	Diesel						
9	Coal/Lignite						
10	Ethanol						
11	Animal waste/dung						
12	Crop residue/plant biomass						
13	Briquette/pellet						

G. SUPPLY OF ELECTRICITY

G.1	What are all the different sources of electricity that are available in this community? Record all that apply.		National Grid Connection.....1 Local Mini-Grid.....2 Diesel/Gasoline Generator.....3 Solar Lantern.....4 Solar Lighting System.....5 Solar Home System.....6 Rechargeable Battery.....7 Dry-cell battery.....8 Pico grid.....9 No electricity.....111 Other, specify.....555
Electricity from Grid/mini-grid			
G.2	Interviewer: Is the community connected to the national grid or mini-grid?		Yes, national grid.....1→G.4 Yes, mini-grid.....2 No.....0→H.1
G.3	Who is running the mini-grid system(s) in this community? <i>Multiple responses possible</i>	a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> c. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> d. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Individual.....1 Private firm.....2 National government.....3 Municipal/local government.....4 NGO/Donor.....5 Community/cooperative.....6 Other, specify.....555
G.3B	What is the name of the local mini-grid company? CAPI Check: Responses must correspond to H3A when multiple responses in H3A	a. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> b. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> c. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> d. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
G.4	How many years has the community had this grid/mini-grid connection? Record in nearest integer, 0 if less than 6 months		Number of Years Don't know.....888
G.5	How much did the community pay (if any) to get the grid/mini-grid connection? Refer to any community cost to have the infrastructure installed.		Local currency Don't know.....888
G.6	Is grid/mini-grid service available to the whole community or only a part of the community? Read aloud options		Entire community.....1 Most of the community.....2 Half of the community.....3 Small part of the community.....4
G.7	How many households are connected to the grid/mini-grid? Read aloud options		All of the households.....1 Most of the households.....2 Half of the households.....3 Small part of the households.....4
G.8	How many businesses are connected to the grid/mini-grid? Read aloud options		All of the businesses.....1 Most of the businesses.....2 Half of the businesses.....3 Small part of the businesses.....4
G.9	Are there certain months/seasons every year when the community experiences bad electricity service from the grid/mini-grid?		Yes.....1 No.....0
G.10	Does the community publish a "load-shedding" schedule (announces hours of electricity available from the grid/mini-grid)?		Yes.....1 No.....0
G.11	Over the past 3 years, how has the price of using grid electricity in your community changed? Read aloud options		Increased.....1 Stayed the same.....2 Decreased.....3
Solar Home Systems/Solar Lighting Systems			
G.12	Interviewer/CAPI check: Are solar home systems/solar lighting systems/solar lanterns used/owned in the community?		Yes.....1 No.....0→H.1
G.13	What percentage of households use solar home systems/solar lighting systems/solar lanterns in this community?		Percentage
G.14	From where do most households in this community purchase solar home systems? <i>Multiple responses possible</i>		Purchase from local shops within the community.....1 Purchase from shops outside the community.....2 Purchase/lease from private companies.....3 Purchase/lease from NGOs.....4 Free.....5 Other, specify.....555

H. COOKING

H.1	Are there programs that distribute improved cookstoves in this community (have an outlet in the community)?		Yes.....1 No.....0→ H.3
H.2	Who organizes these distribution programs?		Government.....1 NGO.....2 International Donor.....3 Private sector.....4 Other, specify.....555
H.3	Are there programs that campaign for awareness of the health risks of cookstoves?		Yes.....1 No.....0→ I.1
H.4	Who organizes these awareness programs?		Government.....1 NGO.....2 International Donor.....3 Private sector.....4 CBO.....5 School.....6 Health clinic/facility.....7 Other, specify.....555

I. STREET LIGHTING

I.1	Does your community have any form of street lighting?		Yes.....1 No.....0→ END
I.2	What is the main energy source being used for street lighting in your community?		National grid connection from (COMPANY).....1 Local mini-grid.....2 Solar Stand-Alone System.....3 Other, Specify.....555 Don't know.....888
I.3	To what extent is your community covered by street lighting? <i>Read aloud options</i>		Hardly/None.....1 Minor Part.....2 Partially.....3 Largely.....4 Entirely.....5
I.4	Who pays for the street lighting?		Local government.....1 Community.....2 No payment necessary.....3 Other, specify.....555
I.5	Who is responsible for maintaining the street lights?		Local government.....1 Community.....2 Utility.....3 Company that installed the street lights.....4 Other, specify.....555 Nobody.....111
I.6	In a typical night, for how many hours are the street lights on in your community from sunset to sunrise each day?		HOURS
I.7	In the last 7 days, have there been significant unscheduled outages/blackouts of street lighting in your community?		Yes.....1 No.....0
I.8	How satisfied are people in the village by the brightness of the street lighting service in your community? <i>Read aloud options</i>		Very unsatisfied.....1 Somewhat unsatisfied.....2 Somewhat satisfied.....3 Very satisfied.....4
I.9	What kinds of technical or mechanical problems have been reported with the street lighting in your community? <i>Multiple responses possible</i>	a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/>	Electrocution.....1 Poor installation.....2 Poor maintenance.....3 Outages/blackouts of street lighting.....4 Does not stay on all night.....5 Street lighting is on during the day when not required...6 No risks/problems.....111
I.10	What are the main problems in your community when street lighting is not working?		[Open ended response]

THANK YOU FOR YOUR TIME