

2014 Household Survey Questionnaire for Small Hydropower Substituting Fuel (SHSF) in Majiang, Guizhou

Tel / Phone:

Interview Date:	Admin Village:	Residence Group:
Interviewer:	UTM: E: ___, ___; N: ___, ___; Zone:___ Elevation(m):_____	

Section 1: Household member information

[illegible]

Non-agricultural income

Non-agricultural income(work out of town, local work, business, other)						
Non-agr member		Occupat ion	Location	Working time last year	Gross income/yuan	Remittance per year/ yuan
1						
2						
3						
4						

Section 2: Agricultural income last year						
1. Paddy area: _____, Paddy planted last year: _____, Paddy other use: _____						
2. Dryland area: _____, Dryland planted last year: _____, Dryland other use: _____						
3. Rice paddy leased out: _____, Rice paddy lease received: _____						
4. Dryland leased out: _____, Dryland lease received: _____						
5. Rice paddy rented in: _____, Rice paddy rent paid: _____						
6. Dryland rented in: _____, Dryland rent paid: _____						
7. Farming labor income: _____						
Crop planted	Total area/mu	Harvest / jin	Sold / jin	Price (yuan/jin)	Total price	Other use
Rice						
Wheat						
Oilseed						
Corn						
Sweet potato						
Bean						
Peanut						
Zizania						
Tea						
Gastroid Elata						
Ginseng						
Mushroom						
Agaric						
Ginger						
Other crop						

Livestock quantity (now)								
Chicken	Duck/ten	Goose	Sheep	Pig	Cattle	Dog	Cat	Other

Agricultural cost last year									
	Quantity	Unit-p	Price	Note		Quantity	Unit-p	Price	Note
Fertilizer					Labor seed				
Pesticide					Labor harvest				
Herbicide					Labor tea				
Rice seed					Labor tillage				
Wheat seed					Plastic film				
Corn seed					Farming tool				
GE seed					Forage				
Other seed					Other cost				

Section 3: Crop Raiding Survey (last year)

1. Was there crop raiding by wilds last year? 1) yes, 2) no, 3) I don't know
2. Was crop raiding severe last year? 1) very much, 2) severe, 3) normal, 4) light, 5) none
3. In 2002, Was crop raiding severe? 1) very much, 2) severe, 3) normal, 4) light, 5) none
4. Crop raiding comparison: when was more severe 1) recent, 2) 2002, 3) same, 4) I don't know
5. Which crops were raided by wilds? 1) Rice, 2) Corn, 3) GE, 4) Wheat, 5) Sweet potato, 6) Bean, 7) Peanut, 8) Vegetable, 9) Other ____
6. What were the extent of crop raiding? 1) very much, 2) severe, 3) normal, 4) light, 5) none Crop 1: _____ Extent: _____ Crop 2: _____ Extent: _____ Crop 3: _____ Extent: _____ Crop 4: _____ Extent: _____
7. Please rank by the extent: first: _____, second: _____, 3rd: _____, 4th: _____, 5th: _____, 6th: _____, 7th: _____.
8. Was there any livestock attacked by wilds? 1) no, 2) yes Livestock 1: _____ Raiding wild: _____ Loss quantity: _____. Livestock 2: _____ Raiding wild: _____ Loss quantity: _____. Livestock 3: _____ Raiding wild: _____ Loss quantity: _____.
9. The most frequent wild is: _____, next: _____, next: _____, next: _____, next: _____, next: _____. 1) Wild boar; 2) bird; 3) rabbit; 4) Badger; 5) rat; 6) squirrel; 7) Goat; 8) other wild _____
10. What measure did you take to against crop raiding? 1) Human care, 2) fence, 3) trap, 4) poison, 5) hunt, 6) scarecrow, 7) torch, 8) other measure ____ Wild animal 1: _____, measure: _____, _____, _____; rate: _____ Wild animal 2: _____, measure: _____, _____, _____; rate: _____ Wild animal 3: _____, measure: _____, _____, _____; rate: _____ Wild animal 4: _____, measure: _____, _____, _____; rate: _____ Measure 1: _____, times: _____, How long each time: _____ Measure 2: _____, times: _____, How long each time: _____ Measure 3: _____, times: _____, How long each time: _____
11. Have you ever take alternative crop to plant? 1) yes, 2) no If yes, previous crop: _____, replaced with: _____; reason: _____
12. How many pieces of paddy land: _____, How many pieces of Dryland: _____

Section4: Fuel Survey (last year)

Part1.Region with SHSF

1. What is the fuel structure last year? (1) Electricity, (2) Coal , (3) Gas, (4) Solar energy, (5) Fuel and Wood, (6) Stalks, (7) Other_____

1) Electricity consumption:_____, Source:(1) SHSF:_____, (2) Power grid:_____, Unit-p:_____, Price:_____

2) Coal consumption:_____, Source:_____, Unit-p:_____, Price:_____

3) Gas consumption:_____, Source:_____, Unit-p:_____, Price:_____

4) Solar energy consumption:_____, Source:_____, Unit-p:_____, Price:_____

—
5) Fuel and wood consumption:_____, (1)Component: ① A whole tree (most, some, a few), ② Trunk (most, some, a few), ③ Branch (most, some, a few), ④ Leaf (most, some, a few), ⑤ Root (most, some, a few), ⑥ A whole shrub (most, some, a few), ⑦Shrub branch (most, some, a few),⑧ Shrub leaf (most, some, a few), ⑨ Dry branches and fallen leaves (most, some, a few), (2)Source: ①Harvest, ② Purchase, (3)Harvest location: ① Summit, ②Hillside, ③Foot, ④ Gully, (4)Unit-p:_____,(5)Price:_____

6) Stalks consumption:_____, Source:1) Harvest:_____, 2) Purchase:_____, Unit-p:_____, Price:_____

2.Transformation after running SHSF: 1) Fresher air, 2) More luxuriant forests, 3) More beautiful environment, 4) More convenient living conditions

(1) What was the extent of air condition? 1) very good, 2) good, 3) normal, 4) light, 5) none

(2) What was the extent of forests growing? 1) very good, 2) good, 3) normal, 4) light, 5) none

(3) What was the extent of environment improving? 1) very good, 2) good, 3) normal, 4) light, 5) none

(4) What was the extent of living conditions? 1) very good, 2) good, 3) normal, 4) light, 5) none

3. How do you evaluate SHSF?1) Very good, 2) Good, 3) Normal, 4) None

Electricity use	3	2	1	0
	Most	Some	A few	None
Electric Cooking				
Pot/Microwave				
A/C				
Refrigerator				
Washing machine				
Computer				
Lighting				
Other_____				

Fuel, wood and stalks use	3	2	1	0
	Most	Some	A few	None
Daily life				
Raise livestock				
Winter heating				
Other:_____				

Part II. Region with small hydropower station (without substituting firewood)

1. What is the fuel structure last year? (1) Electricity, (2) Coal, (3) Gas, (4) Solar energy, (5) Fuel and Wood, (6) Stalks, (7) Other_____

1) Electricity consumption:_____, Source:(1) SHSF:_____, (2) Power grid:_____, Unit-p:_____, Price:_____

2) Coal consumption:_____, Source:_____, Unit-p:_____, Price:_____

3) Gas consumption:_____, Source:_____, Unit-p:_____, Price:_____

4) Solar energy consumption:_____, Source:_____, Unit-p:_____, Price:_____

5) Fuel and wood consumption:_____, (1)Component: ① A whole tree (most, some, a few), ② Trunk (most, some, a few), ③ Branch (most, some, a few), ④ Leaf (most, some, a few), ⑤ Root (most, some, a few), ⑥ A whole shrub (most, some, a few), ⑦Shrub branch (most, some, a few),⑧ Shrub leaf (most, some, a few), ⑨ Dry branches and fallen leaves (most, some, a few), (2)Source: ①Harvest, ② Purchase, (3)Harvest location: ① Summit, ②Hillside, ③Foot, ④ Gully, (4)Unit-p:_____,(5)Price:_____

6) Stalks consumption:_____, Source:1) Harvest:_____, 2) Purchase:_____, Unit-p:_____, Price:_____

2. Have you ever heard of SHSF? 1) Yes, 2) No, 3) I don't know

3. Do you think the small hydropower station makes your life more convenient?1) Yes, 2) No, 3) I don't know

4. Have the frequency of cutting firewood changed after the construction of small hydropower station? 1) More, 2) Less, 3) Not changed, 4) I don't know

5. Have the quantity of fuel wood and stalks changed after the construction of small hydropower station? 1) More, 2) Less, 3) Not changed, 4) I don't know

Electricity use	3	2	1	0
	Most	Some	A few	None
Electric Cooking Pot/Microwave				
A/C				
Refrigerator				
Washing machine				
Computer				
Lighting				
Other_____				

Fuel, wood and stalks use	3	2	1	0
---------------------------	---	---	---	---

	Most	Some	A few	None
Daily life				
Raise livestock				
Winter heating				
Other:_____				

Part III. Region without small hydropower station

1. What is the fuel structure last year? (1) Electricity, (2) Coal , (3) Gas, (4) Solar energy, (5) Fuel and Wood, (6) Stalks, (7) Other_____

1) Electricity consumption: _____, Source:(1) SHSF: _____, (2) Power grid: _____, Unit-p: _____, Price: _____

2) Coal consumption: _____, Source: _____, Unit-p: _____, Price: _____

3) Gas consumption: _____, Source: _____, Unit-p: _____, Price: _____

4) Solar energy consumption: _____, Source: _____, Unit-p: _____, Price: _____

5) Fuel and wood consumption: _____, (1)Component: ① A whole tree (most, some, a few), ② Trunk (most, some, a few), ③ Branch (most, some, a few), ④ Leaf (most, some, a few), ⑤ Root (most, some, a few), ⑥ A whole shrub (most, some, a few), ⑦ Shrub branch (most, some, a few), ⑧ Shrub leaf (most, some, a few), ⑨ Dry branches and fallen leaves (most, some, a few), (2)Source: ① Harvest, ② Purchase, (3)Harvest location: ① Summit, ② Hillside, ③ Foot, ④ Gully, (4)Unit-p: _____, (5)Price: _____

6) Stalks consumption: _____, Source: 1) Harvest: _____, 2) Purchase: _____, Unit-p: _____, Price: _____

2. Have you ever heard of SHSF? 1) Yes, 2) No, 3) I don't know

3. Do you want to take part in SHSF? 1) Yes, 2) No, 3) I don't know

4. If taking part in SHSF, does the frequency of cutting firewood change? 1) Will become more, 2) Will become less, 3) Will not change, 4) I don't know

Electricity use	3	2	1	0
	Most	Some	A few	None
Electric Cooking Pot/Microwave				
A/C				
Refrigerator				
Washing machine				
Computer				
Lighting				
Other_____				

Fuel, wood and stalks use	3	2	1	0
	Most	Some	A few	None
Daily life				
Raise livestock				
Winter heating				
Other:_____				

Section 5: Household wellness indicators		
Category	items	points
Transportation	Sedan or minivan	5
	Truck	4
	Motor Cycle/Tricycle	3
	Electric Bike	2
	Bike or Man-Powered Tricycle	1
	None	0
Electrics	A/C	5
	Solar panel	4
	Refrigerator	3
	Washing/Dry Machine	2
	Electric Cooking Pot/Microwave	1
	None	0
Communication	Computer	5
	Cell phone	4
	Fixed line phone	3
	TV/Stereophony	2
	Radio	1
	None	0
Fuel	Coal, Gas or Electricity only, no fuel wood	5
	Primarily Coal, Gas & Electricity, some Fuel Wood	4
	Half Coal, Gas & Electricity, Half fuel Wood	3
	Primarily Fuel Wood, Some Coal, Gas& Electricity	2
	Fuel Wood only	1
	Rice, Wheat or Corn Stalks Only	0
Residence	Three Story Concrete	5
	Two Story Concrete with Indoor Bathroom	4
	Two Story Concrete without Indoor Bathroom	3
	Single Story Brick House	2
	Adobe House	1
	No House	0
Farming Tools	Tractor(> ¥2000 Yuan)	5
	Thrash Machine/Other Small Food Process Machine	4
	Electric Pump	3
	Oxen	2
	Hoes,	1
	Lost Farming Ability	0
Total points		