

**Kyrgyz Republic**  
**Household survey of Individual heating systems, 2015**

*NOTE: survey is targeting urban and rural households relying on individual heating systems as their primary source for heating.*

<b>INFORMATION OF HOUSEHOLD</b>		<b>HH</b>																																	
<b>HH1.</b> Cluster number:                   ___ ___ ___	<b>HH2.</b> Household number:                   ___ ___																																		
<b>HH3.</b> Name of interviewer:  Name _____																																			
<b>HH5.</b> Day / Month / Year of interview: ___ ___ / ___ ___ / 2 0 1 5	<b>HH7.</b> REGION: BATKEN ..... 5 JALAL-ABAD..... 3 ISSYK-KUL ..... 2 NARYN..... 4 OSH ..... 6 TALAS..... 7 CHUI ..... 8 BISHKEK C..... 11 OSH C. .... 21																																		
<b>HH8.</b> Address:																																			
<p>WE ARE FROM <b>SocECONIC RESEARCH CENTER</b>. JOINTLY WITH THE WORLD BANK AND THE MINISTRY OF ECONOMY OF THE KYRGYZ REPUBLIC WE ARE CONDUCTING A SURVEY OF HOUSEHOLDS USING INDIVIDUAL HEATING SYSTEMS. I WOULD LIKE TO TALK TO YOU ON THE ISSUES RELATED TO THIS TOPIC. THE INTERVIEW WILL TAKE <b>50</b> MINUTES. THE INFORMATION WE COLLECT WILL BE TREATED STRICTLY AS CONFIDENTIAL. CAN I PROCEED WITH THE INTERVIEW QUESTIONS?</p> <p><input type="checkbox"/> <i>Yes, agreement obtained. ⇒ Proceed with interview.</i></p> <p><input type="checkbox"/> <i>No, agreement not obtained. ⇒ Circle the result code, and complete the work.</i></p>																																			
<p><b>HH9. Can you please tell me what heating system you use?</b></p> <p>Has only District Heating or HOB heating (hot water + heat) .....1 → <b>Circle the result code, and complete the work</b></p> <p>Individual system of heating .....2</p>																																			
<p><b>HH10.</b> Result of household interview:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Completed.....</td> <td style="width: 10%; text-align: right;">01</td> <td style="width: 10%; text-align: right;">→ HH11</td> </tr> <tr> <td>Partly completed .....</td> <td style="text-align: right;">10</td> <td></td> </tr> <tr> <td>Has only District Heating or HOB heating (hot water + heat) .....</td> <td style="text-align: right;">02</td> <td></td> </tr> <tr> <td>The household head is aged below 16.....</td> <td style="text-align: right;">03</td> <td></td> </tr> <tr> <td>Household members were absent (long-term) .....</td> <td style="text-align: right;">04</td> <td></td> </tr> <tr> <td>At the time of visit, no-one capable of responding was present .....</td> <td style="text-align: right;">05</td> <td></td> </tr> <tr> <td>Refused .....</td> <td style="text-align: right;">06</td> <td></td> </tr> <tr> <td>Dwelling vacant / Address not a dwelling .....</td> <td style="text-align: right;">07</td> <td></td> </tr> <tr> <td>Dwelling destroyed .....</td> <td style="text-align: right;">08</td> <td></td> </tr> <tr> <td>Dwelling not found .....</td> <td style="text-align: right;">09</td> <td></td> </tr> <tr> <td>Other .....</td> <td style="text-align: right;">96</td> <td></td> </tr> </table> <div style="position: relative; height: 150px; margin-top: 10px;"> <div style="position: absolute; right: 0; top: 0; bottom: 0; width: 50px; border-left: 2px solid black; border-right: 2px solid black; text-align: center; vertical-align: middle;"> Close interview </div> </div>			Completed.....	01	→ HH11	Partly completed .....	10		Has only District Heating or HOB heating (hot water + heat) .....	02		The household head is aged below 16.....	03		Household members were absent (long-term) .....	04		At the time of visit, no-one capable of responding was present .....	05		Refused .....	06		Dwelling vacant / Address not a dwelling .....	07		Dwelling destroyed .....	08		Dwelling not found .....	09		Other .....	96	
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**HH11.** Time.

Hour \_\_\_ \_\_\_      Minutes \_\_\_ \_\_\_

<b>HH12</b> Survey from the household in the main list	1	Survey from substituted household	2
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**Module 1: A. Household roster**

PID	1. Name	2. Sex	3. Relation to the head of the household	4. Age at the moment of interview	5. Marital status	6. Education	7. Is (NAME):	8. Why is (NAME) absent?	9. Please specify which of the following definitions is the best description of your current status?	10. Has (NAME) worked abroad for at least a month in the last 12 months?
	<i>List all members of the household even if they have been absent for less than a year regardless of their official residence</i>  <i>Interviewer, start with the head of the household..</i>	Male - 1  Female - 2	Head .....1 Spouse .....2 Son/daughter .....3 Son/daughter-in-law.....4 Father/mother .....5 Spouse's parents .....6 Brother/sister.....7 Grandson/daughter.....8 Grandfather/grandmother.....9 Nephew/niece.....10 Spouse's brother/sister .....11 Other relatives .....12 Servant/maid.....13 Lodger.....14 Not relatives .....15		Legally married.....1 Divorced.....2 Living apart, but not divorced.....3 Widow(er).....4 Has never been married.....5 Under 14 years of age.....98	Higher degree.....1 Incomplete higher degree.....2 Special secondary(professional) degree.....3 General secondary (complete) degree.....5 Main secondary (incomplete) degree.....6 Elementary education.....7 No elementary education.....8 Illiterate.....9 0 to 5 years of age..98	...a resident of the household. ....1 ...temporarily absent.....2	Move.....1 Study.....2 Work in country.....3 Work abroad.....13 Marriage.....4 Divorce.....5 Military service ....6 In prison .....7 In hospital .....8 Live with relatives, friends .....9 Dead.....10 Other.....11	Employed in sector of agriculture.....1 Employed in other industries .....2 Student (day student) .....3 Retirement or long-service pensioner, privileged pensioner.....4 Disability pensioner (I and II disability categories) .....5 Disability pensioner (III disability category) .....6 Beneficiary of income from property or capital.....7 Housekeeping and taking care of children .....8 Unemployed .....9 Other .....10	Yes ...1 No...2
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										

## Module B: HOUSE SPECIFICATIONS AND OWNERSHIP

### B.5. Type of building you live in during the winter

/numerate the answers/

Type of habitable Structures	B5.1: Number of Structures on your plot (separate buildings, shed, etc)	B5.2: Used as Principle Residence	
		Yes	No
wooden (frame, balk)		1	2
brick building		1	2
pise building, beaten cobwork		1	2
prefabricated unit		1	2
metal - frame-house (container )		1	2
breeze block		1	2
Other: _____		1	2

### B.6. Ownership status of your home where your household is currently living.

/Select one answer below/

1	Own
2	Rent
3	Live for free (assistance)
4	Other

### B.7. Do you plan to move into a different home soon within the next two years?

- B.7.1a** Into an apartment?  
**B.7.1b** Into a detached house?

Yes	No
1	2
1	2

If both answers to Question B.7.1 is "No", skip to Question B.8

### B.7.3 What would be the main reason that you might want to move?

1	More comfortable, include heating
2	More spacious
3	Cheaper, include heating
4	Easier
5	More convenience
6	More status
7	Other

### B.8. Size of the main building on your plot

/Ask questions based on B.5 /

	Type of dwelling	How many families live here	Total nr of people	Number of rooms (include kitchen & toilet)	How many room are heated	Size of home in Sq meter (include kitchen and toilet)	How many stories/floors does this house have
B8.1	wooden (frame, balk)						
B8.2	brick building						
B8.3	pise building, beaten cobwork						
B8.4	prefabricated unit						
B8.5	metal - frame-house (container )						
B8.6	breeze block						
B8.7	Other: _____						

**B.9. Characteristics of your house**

/ Could answer more than one /

B.9.1 Wall	B.9.2. Roof	B.9.3 Roof insulation
1 Brick	1 Thin metal sheet	1 none
2 Concrete slabs	2 Asphalt roof/ shingles	2 Ash
3 Crude air-bricks, adobe	3 Tile	3 Sawdust
4 Solid timber/log/	4 Earth and clay with straw	4 Felt
5 Wood plank/panel	5 Compressed asbestos	5 Paper
6 Slag-concrete blocks	6 Soft roofing	6 Fibre glass/glass wool
7 Clay	7 Other /...../	7 Dry clay/Soil
8 metal		8 foam plastic
9 Other /...../		9 Other /...../
10 Wall is insulated		
11 No wall insulation		

B.9.4 Floor	B.9.5. Window	B.9.6 Door
1 Wood	1 Single pane	1 Insulated door
2 Cement	2 Double (single pane each)	2 Without insulation
3 Brick or tiles	3 glass pack	
4 Soil	4 double-glazed window	
5 Plastic	5 Shutters on windows	
6 Other/...../	6 Tape is used to weatherize windows	
7 Floor is insulated	7 Other /...../	
8 No floor insulation		

**B.10. Characteristics of space heating, water heating, and cooking in your house or apartment**

/ Could answer more than one /

B10.1: Space heating	B10.1: Water heating
1 Stove (traditional)	1 Special dedicated boiler/stove (with water reservoir)
2 Stove type "burjuika"	2 Use space heating stove also for water heating
3 kantromarka	3 Microwave/boiler is used for heating premises
4 Fireplace	4 Geyser (gas or electric; no water reservoir)
5 Modern microwave (automatic)	5 Electric cooker
6 A simple heating system	6 Electric kettle
7 A modern heating system (automatic)	7 Stove
8 Makeshift heating system	8 Solar water heater
9 Electro-air heater, fan, condition	9 Hotbed (open fire)
10 Electro Warm floors	10 Other: /-----/
11 Heater, radiator	
12 The electric boiler	
13 Other	

**B.10a. Whether you are an electric pump for heating system?**

1	Yes
2	No

## Module E: HEATING STOVE USAGE

/Give answers based on B.10.1 /

Code from question B10.1	Specific type of stove that you have in your home	E.1. Number of Stoves Owned (enter "0" for do not own any)	E.2. Numbers that are being used	E.3. How many years have been using? (See instruction below)	E.4 Where did you buy it?					E.5 When do you use it?					E.6. Also used for water heating				E.7.1 Does your household use it as the main heating source for your home during this winter season? 1. Yes 2. No	E.7.2 Does your household use it for cooking during this winter? 1. Yes 2. No	E.7.3 How many more years do you expect this stove to last?
					Microwave/boiler purchased, together with the house	Local factory	made it ourselves	Importer (pls state country)	Country imported from	always	Only if main heating system fails	Use as supplementary heater (sometimes, only when very cold)	Use as supplementary heater (frequently or always)	Do not use	Always	Sometimes	never	Na/don't know			
1	Stove (traditional)	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
2	Stove type "burjuika"	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
3	kantromarka	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
4	Fireplace	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
5	Modern microwave (automatic)	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
6	A simple heating system	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
7	A modern heating system (automatic)	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
8	Makeshift heating system	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
9	Electro-air heater, fan, condition	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
10	Electro Warm floors	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
11	Heater, radiator	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
12	The electric boiler	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	
13	Other	/.../	/.../	/.../	1	2	3	4		1	2	3	4	5	1	2	3	4	1 2	1 2	

### E.8. How do you rate the performance and operation of your current heating stove?

Nº	Rating the Performance on:	agree	somewhat agree	disagree	Do not know
1	Stays warm for a long time	1	2	3	4
2	Can heat my house even when very cold outside	1	2	3	4
3	Ability to control heat in home to a comfortable level	1	2	3	4
4	Heats up the room quickly	1	2	3	4
5	Stove needs frequent refueling	1	2	3	4
6	Repair service and and spare parts easily available	1	2	3	4
7	Other	1	2	3	4

*Interviewer: Ask the question, if 2,3 marked in in the lines 1,2,3 of the Question E.8*

### E.10. Answer only if the stove does not heat the house well: what are the suggested reasons?

Nº	Performance	Yes	No	Do not know
1	Stove too old and doesn't work well anymore	1	2	3
2	Stove too small capacity	1	2	3
3	Need more stoves for other rooms in my house	1	2	3
4	Need low pressure boiler heating system	1	2	3
5	House not well insulated	1	2	3
6	Want to reduce fuel consumption	1	2	3
7	Other	1	2	3

*Interviewer! Ask the question, if the household uses electrical equipment for heating*

### E. 11a. Are you interested in replacing electrical equipment on other heating system ?

1	Yes → E.12
2	Have never thought about it → E.12
3	No → F1
4	Have just bought a new stove → F1

*Interviewer! Ask the question, if the household uses stoves/boilers for heating*

### E.11b. Are you possibly interested in changing your current stove?

1	Yes
2	Have never thought about it
3	No → E.14
4	Have just bought a new stove → F1

### E.12. If you want to change, do you have any type of stove in mind?

Nº	Type of stove	Yes/No	If «yes», then		
			Short term	Long term	Do Not Know
1	Want to connect to central heating system	1 2	1	2	3
2	Traditional stove	1 2	1	2	3
3	Locally made improved/advanced stove	1 2	1	2	3
4	Imported advanced stove	1 2	1	2	3
5	Piped natural gas stove	1 2	1	2	3
6	Geothermal system	1 2	1	2	3
7	Electric stove	1 2	1	2	3
8	Solar collector	1 2	1	2	3
9	Other	1 2	1	2	3

### E.13. When buying a new heating stove/system, which characteristics do you consider to be important?

*Interviewer! Ask the question, if the answer is "Yes" in lines 2,3,4,5 of the Question E.12*

*/ Answer for each characteristics listed below /show display Nº 2/*

	Characteristics	Very important	Important	Not so important	Do not Know
1	Low price	1	2	3	4
2	Low fuel consumption	1	2	3	4
3	Long heat retention	1	2	3	4
4	Ability to heat the room fast	1	2	3	4
5	Easy to start fire	1	2	3	4
6	Release less smoke & soot, pollution	1	2	3	4
7	A good quality, service life, cost effective	1	2	3	4
8	The form, the external features and design	1	2	3	4
9	Subsidy available	1	2	3	4
10	Ability to use it for both heating and cooking	1	2	3	4
11	Size	1	2	3	4
13	Other	1	2	3	4

**E.13a. Do you agree with the following statements:**

№		Very important	Important	Not so important	Do not Know	If «Very important or Important», then:	
						How much you are ready to pay? (in KGS)	What amount of loan you are ready to take on? (in KGS).
1	I want to pay more for a fuel efficient stove	1	2	3	4		
2	I want to pay more for a clean stove (no pollution)	1	2	3	4		
3	I want to pay more for a stove with long lasting heat	1	2	3	4		

**Interviewer! Move to Module F**

**E.14. Please give reason why you do not want to change the stove or heating system?**

/ Answer all questions below /

№	Reasons	YES	NO	Do not Know
1	Our heating system is still working fine	1	2	3
2	We are used to it	1	2	3
3	Difficult to install new stove	1	2	3
5	Stove has been special gift to us	1	2	3
6	Too expensive to buy another stove	1	2	3
7	Do not know of other heating stoves/systems	1	2	3
8	Other	1	2	3

**Module F: TYPE OF COOKING APPLIANCES USED**

**F.1. Which appliances do you often use for cooking?**

(Ask every row, more answers can be given) show display № 3

№	Type of appliances	Winter				Summer			
		Always	Some-times	Always	Some-times	Always	Some-times	Always	Some-times
1	Furnace/boiler, in addition a furnace/boiler for heating	1	2	3	4	1	2	3	4
2	The same furnace/boiler, that and for heating	1	2	3	4	1	2	3	4
3	Range (electric, gas)	1	2	3	4	1	2	3	4
4	Electric range (small, self-made)	1	2	3	4	1	2	3	4
5	Electric oven	1	2	3	4	1	2	3	4
6	Microwave	1	2	3	4	1	2	3	4
7	Rice cooker	1	2	3	4	1	2	3	4
8	Electric kettle	1	2	3	4	1	2	3	4
9	Fireplace (open fire)	1	2	3	4	1	2	3	4
10	Other	1	2	3	4	1	2	3	4

**Interviewer! Ask the following question if the answer in lines 1 and 2 of the Question F.1 is "1" or "2".**

**F.2. What is your opinion about the performance and operation of your current heating stove?**

№	Performance	Yes	No	Do not know
1	Easy to start fire (does not take long time to start fire)	1	2	3
2	Fast to prepare food	1	2	3
3	Easy to control the heat output of the stove	1	2	3
4	Creates indoor air pollution	1	2	3
5	Frequent chimney cleaning needed	1	2	3
6	Ash removal makes mess in room	1	2	3
7	Fuel costs are low	1	2	3
8	Good safety features (children)	1	2	3
9	Chimney leaks stove exhaust into the room	1	2	3
10	Can cook well with it *)	1	2	3
11	Cooking with large pots/large wok is possible *)	1	2	3
12	Has a chimney shut off valve	1	2	3
13	Other	1	2	3

## Module G: TYPE OF FUEL USED BY HOUSEHOLD

### G.1. Which types of *space heating* fuel/source does your household use mostly?

/Allow more than one answer/

	Primary fuel, used almost always	Secondary fuel, used sometimes or as back-up
What is the fuel that you use for space heating		
What is the fuel that you use for water heating		
What is the fuel that you use for cooking		

#### Fuel Type

1	Coal, Kara-keche	19	Round wood, trees, or limbs Small branches, twigs, etc (to cut yourself)
2	Coal, Shabyrkul	20	Timber/sawmill residues
3	Coal, Kuzbas	21	Ready chopped up wood (in bags, or by m3)
4	Coal, Karaganda	22	Sawdust briquettes
5	Coal, Kara-jara	23	LPG (cylinders)
6	Coal, Kok-yangak	24	Natural gas
7	Coal, Kara-doro	25	Electricity
8	Coal, Kumbel	26	Kerosene/paraffin/petroleum
9	Coal, Tash-kumyr	27	Animal dung
10	Coal, Samarkand	28	Paper
11	Coal, Sary-mogol	29	Rubbish
12	Coal, Sulukta	30	Tires
13	Coal, Markai	31	Other
14	Coal, Tegene	32	Not alternative
15	Other Coal		
16	Anthracite		
17	Semi-coked coal (briquettes)		
18	Compressed coal briquettes		

**Interviewer! Ask the following question if the type of fuel is selected from 1 to 18 in Question G1**

#### G.1.4 That you are using to stir up coal?

1	firewood, brushwood	5	Rubbish
2	Kerosene/paraffin/petroleum	6	Tires
3	Animal dung	7	Old clothes
4	Paper	8	Other

### G2 What are the main reasons for using your main type of fuel for space heating

/ Mark all that apply / show display № 1

№	Reasons	Agree	Somewhat agree	Disagree	Do not Know/not applicable
1	Gives good heat	1	2	3	4
2	Price of fuel is low	1	2	3	4
3	Fuel can be transported to my house	1	2	3	4
4	Most convenient for me	1	2	3	4
5	Gives quick heat	1	2	3	4
6	No fuel supply interruptions	1	2	3	4
7	No alternative fuel	1	2	3	4
8	Other	1	2	3	4



**G3 What are the main reasons for using this type of fuel for water heating**

/ Mark all that apply / show display № 1

№	Reasons	Agree	Somewhat agree	Disagree	Do not Know/not applicable
1	Gives good heat	1	2	3	4
2	Price of fuel is low	1	2	3	4
3	Fuel can be transported to my house	1	2	3	4
4	Most convenient for me	1	2	3	4
5	Gives quick heat	1	2	3	4
6	No fuel supply interruptions	1	2	3	4
7	No alternative fuel	1	2	3	4
8	Other	1	2	3	4

**G4 What are the main reasons for using this type of fuel for cooking**

/ Mark all that apply / show display № 1

№	Reasons	Agree	Somewhat agree	Disagree	Do not Know/not applicable
1	Electricity supply interruptions	1	2	3	4
2	Price of fuel is low	1	2	3	4
3	Good for cooking	1	2	3	4
4	Fuel can be transported to my house	1	2	3	4
5	Most convenient for me	1	2	3	4
6	Gives quick heat	1	2	3	4
7	No fuel supply interruptions	1	2	3	4
8	No alternative fuel	1	2	3	4
9	Other				

## Module H: HOUSEHOLD COAL CONSUMPTION

*Interviewer! Ask the following question if the answer to Question G1.1 is "Coal"*

H.1. What time of the day/night you fire up and put additional coal in the stove in different months of the heating season:

No		Not xvi century when plac ing	This morni ng	Total number times	Day	Total number times	In the evening	Total number times	At Night	Total number times
1	September	5	1		2		3		4	
2	October	5	1		2		3		4	
3	November	5	1		2		3		4	
4	December	5	1		2		3		4	
5	January	5	1		2		3		4	
6	February	5	1		2		3		4	
7	March	5	1		2		3		4	
8	April	5	1		2		3		4	
9	May	5	1		2		3		4	

*Interviewer! Ask the following question if the answer to Question G1.1 is "Coal"*

H.3 During this current winter, how did your household obtain coal for use at home?

/ Ask by every row/

No		Yes /No	If «yes», then		
			Number of tons	Price per truck	Number of tons expenditure of the season
1	Purchased truck	1 2			
2	Small bags	1 2	X	X	X
3	Themselves store up	1 2	X	X	
4	Other /...../	1 2	X	X	

*Interviewer! Ask the following question, if the answer to Question H.3 is "Purchased in bags".*

H.4. Please indicate the total amount of coal used and total expenditure for coal by month for season 2015.

No	Month	Number of Bags	Price Per bag	How many have used (kg)	Total number of days covered
1	September				
2	October				
3	November				
4	December				
5	January				
6	February				
7	March				
8	April				
9	May				

## Module I: HOUSEHOLD WOOD CONSUMPTION

### I.0. Is your household firewood?

Yes .....1

No.....2 ➔ J.1

### I.1. During this current winter, how does your household obtain wood supply for use at home?

/ Ask every line/

		Yes /No	If «yes», then		
			Number of cubic Meter	Price of truck load or cubic Meter	Number of cubic Meter expenditure of the season
1	Purchased truck	1 2			
2	Small bags	1 2	X	X	X
3	Themselves store up	1 2	X	X	
4	Other /...../	1 2	X	X	

*Interviewer! Ask the following questions, if the answer to Question H.3 is "Purchased in bags".*

### I.2. Please indicate the total amount of wood used and total expenditure for wood for season 2015

No	Month	Number of Bags	Price Per bag	How many have used (kg)	Total number of days covered
1	September				
2	October				
3	November				
4	December				
5	January				
6	February				
7	March				
8	April				
9	May				

## Module J: HOUSEHOLD DISTRICT HEATING, ELECTRICITY and GAS CONSUMPTION

### J.1. During 2015, what is you average monthly electricity bill during the following months?

№	Month	kWh consumption/month	Average monthly electricity bill (KS per month)
1	Fall months		
2	Winter months		
3	Spring months		
4	Summer months		

### J.2.0 do you use natural gas?

1	Yes
2	No --->>> K.1

### J.2 During 2015, what is you average monthly gas bill during the following months?

№	Month	gas consumption/month (m3/month)	Average monthly gas bill (KS per month)
1	Fall months		
2	Winter months		
3	Spring months		
4	Summer months		

## Module K: AIR POLLUTION

### K.1. What do you think about air pollution near your home?

1	Extremely high /disaster level
2	High
3	Acceptable
4	Not important for me
5	Do not know
6	Other

### K.2. In your opinion which sources contribute to air pollution in Kyrgyzstan?

show display № 4

№	Source	None	Low	Medium	High	Very high	N/A
1	Motor vehicles	0	1	2	3	4	-8
2	Industry	0	1	2	3	4	-8
3	Power plants	0	1	2	3	4	-8
4	Heating stoves	0	1	2	3	4	-8
5	Global warming	0	1	2	3	4	-8
6	Heat only boilers	0	1	2	3	4	-8
7	Dust	0	1	2	3	4	-8
8	Undisposed solid waste	0	1	2	3	4	-8
9	Other	0	1	2	3	4	-8

### K.3. In your opinion, what will be the best way of reducing air pollution in Kyrgyzstan?

show display № 5

№	Option	Most suitable	Suitable	Not suitable	N/A
1	Reduce coal consumption for power and heat generation (Power plants, DH)	1	2	3	-8
2	Reduce coal consumption for HOB plants	1	2	3	-8
3	Reduce coal consumption for household stoves	1	2	3	-8
4	Reduce the number of motor vehicles	1	2	3	-8
5	Move people to live in apartments	1	2	3	-8
6	Use more HOB for groups of households	1	2	3	-8
7	Go to the gas heating	1	2	3	-8
8	Other	1	2	3	-8

### Module L: HOUSEHOLD ATTITUDE

#### L.1. Would you agree with the following statements?/Answer every row and show display № 6/

1	Strongly agree
2	Agree
3	No opinion
4	Disagree
5	Strongly disagree

1	Heating stoves cause pollution inside the home	1	2	3	4	5
2	Outside Air pollution in the city creates health problems for my family.	1	2	3	4	5
3	It is difficult to breath in the morning during the winter when outside	1	2	3	4	5
4	All households should use clean coal stoves for heating	1	2	3	4	5
5	All households should use gas stoves for heating	1	2	3	4	5
6	All households should use electricity for heating	1	2	3	4	5
7	Low pressure boiler is the best heating solution for detached houses	1	2	3	4	5
8	All households should be connected to the DH or HOB system instead of using their own stoves	1	2	3	4	5
9	Electricity supply problems make it difficult to heat with electricity	1	2	3	4	5
10	Electricity supply problems make it difficult to cook with electricity	1	2	3	4	5
11	Heating stoves must also be able to cook food	1	2	3	4	5
12	I want one heating system for space heating and water heating	1	2	3	4	5
13	What do you prefer as fuel: coal is better than electricity	1	2	3	4	5
14	What do you prefer as fuel: gas is better than electricity	1	2	3	4	5
15	I would like to use a low pressure boiler in my house	1	2	3	4	5
16	I would like to use a clean and fuel efficient coal stove rather than electricity for heating	1	2	3	4	5
17	I am happy with the stoves that I am using for cooking	1	2	3	4	5
18	I am happy with the stoves that I am using for heating	1	2	3	4	5
19	It is quite expensive to keep my house warm during the cold winter months	1	2	3	4	5

## Module M: HOUSEHOLD BANKING INFORMATION

**M.0. I would like to ask you some questions about your experience with banks. Are you willing to give an answer?**

1	Yes
2	No. --->>> Module C.

**M.1. Do you or anyone else in your household have any bank account?**

1	Yes
2	No. --->>> Module C.

**M.2. What types of bank account do you have?**

/ Ask every row /

	Bank Account	YES	NO
1	Savings Account	1	2
2	Checking Account	1	2
3	Credit Card Account	1	2
4	Micofinance group account	1	2
5	Other Specify	1	2

**M.2.1. Does anyone from your household know how to carry out banking transactions from your account?**

1	Yes
2	No

**M.3. If you need money to pay for major home appliances such as, stove for heating, repairing heating wall, refrigerator, which source of financing would you consider as the first, second and third ? / Ask every row / show display №7**

	Financing Sources	First	Second	Third
1	Own cash	1	2	3
2	Commercial Bank	1	2	3
3	Friends or relative or other family member	1	2	3
4	Micofinance group	1	2	3
5	Private company that provide goods to you	1	2	3
6	Pawnshop (Lombard)	1	2	3
7	Would not have to buy	1	2	3
8	Other	1	2	3

**M.4. How many cell phones are there in your households?**

1	Nr: _____
0	None.

**M.5. Do you know that you can conduct banking transactions with your cell phone?**

1	Yes
2	No. → M.7

**M.6. If yes, have you ever used your cell phone for banking transactions?**

1	Yes
2	No.

**M.7. Are you interested in using your cell phone for banking transactions?**

1	Yes
2	No.

## Module C : Consumption expenditure on Food items

*I would like to ask you now about food expenses*

In last 7 days, how much money (on average) did your household spend for <b>consuming</b> the following items?		c) Total expenses in Soms
1	<b>Bread, Flour (all types) and flour products, Grains and legumes</b> (rye, wheat, maize etc. vermicelli, noodle, macaroni etc., rice, maize, beans, lentil, peas, chickpeas, buckwheat, barley etc)	
2	<b>Vegetable , Fruits and berries</b> (potato, carrot, turnip, beetroot, radish, onions etc., cucumber, tomato, pepper, eggplant, cabbage, pumpkin, cabbage, cauliflower, mushrooms other vegetables, apples, pears, grapes, bananas, melon, water melon, citrus, grapes, apricots, plums, persimmons other berries, including dried)	
3	<b>Meat, poultry, fish, eggs</b> (beef, lamb, chicken, duck, goat, pork, sausages, eggs, fish )	
4	<b>Milk product</b> (milk, airan, cheese, cottage cheese, butter, margarine, yogurt, milk drinks, ice-cream etc.)	
5	<b>Vegetable oil</b>	
6	<b>Other</b> (all other food consumption, including, salt, spices, sauces, alcoholic beverages, cigarettes, tea, coffee, juice and non alcoholic beverages, etc )	

## Module D : Consumption expenditure on Non-Food items

*I would like to ask you now about Non food expenses*

I. NON-FOOD CURRENT ITEMS		Total expenses in Soms per month
1	<b>Personal care and kitchen supplies</b> (soap, shampoo, detergent, toothpaste, razors, lotions, creams, perfumes, cosmetics, manicure services, haircut services, other services, kitchen and toilet supplies, stationery etc.)	
2	<b>Transport, communication and cigarettes</b> (bus, train, air fares, gasoline for own auto, cell phone services, internet services, landline telephone, post and courier services, Cable TV etc)	
3	<b>SELECTED UTILITY and house maintenance</b> ( ONLY COLD WATER, SEWERAGE, TRASH, CONDO FEES, etc. -this must exclude DH, HW, electricity, gas and fuel expenses )	
4	<b>Leisure, culture culture</b> (book, movies, theater, newspaper, concert, club, rentals of movies, entertainment, recreation, and eating out (incl. at work canteen), sport, flowers, toys, etc. )	

II. NON-FOOD BIG ITEMS		Total expenses in Soms per year
1	<b>Clothing and foot wear</b> (incl women's, men's children's clothes, underwear, garment and accessories, footwear, hats, etc)	
2	<b>Education</b> (tuition fees, textbooks, registration, school contributions, kindergarten, preschool, tutors, uniform other equipment etc.)	
3	<b>Health care</b> (inpatient hospital charges, lab tests, payment to doctors or other health worker (incl. traditional), medicine, dental care etc.)	
4	<b>Ceremonies</b> (funerals, weddings, family celebrations, big holidays, travels	
5	<b>Furniture, appliances, and other</b> (furniture, TV, washing machine, electronics (kitchen etc.), household appliances, expenditures for fixing car, construction and house repair, sport equipment)	
6	<b>Taxes and debt repayments</b>	

**Thank you for participating in  
our survey!**