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SURVEY ON FINAL ENERGY CONSUMPTION IN HOUSEHOLDS, 2017/2018

GENERAL INFORMATION

The Survey on Final Energy Consumption in Households aims at the collection of data regarding energy consumption, with respect to the demographic characteristics of households, the type of final end use categories (heating, cooling, cooking, hot water, electrical appliances) and the energy sources (fuels, electricity, renewables) that households use in Cyprus.

The Survey is carried out in accordance with the Statistics Law, No. 15(I)/2000. Participation in the Survey is compulsory. Refusal to provide the information requested or submission of fake, incomplete or inaccurate data renders the respondent liable to the consequences of the Law.

The Statistical Service is obliged under the Statistics Law to treat all information obtained as confidential. Your responses will be used solely for statistical purposes. The results to be publicly released will be in such a form that does not personally identify you.

Name and Surname of reference person:	
Street: Number:	. Flat: Post Code:
Quarter: Municipality/Community:	District:
Mobile phone:	Home tel.:

I. CHARACTERISTICS OF THE DWELLING

1. Is this dwelling your permanent residence?

- YES
- NO

Note for the interviewer:

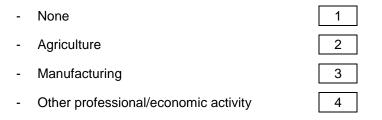
A dwelling is considered a permanent residence if it is occupied for at least six months per year by the household.

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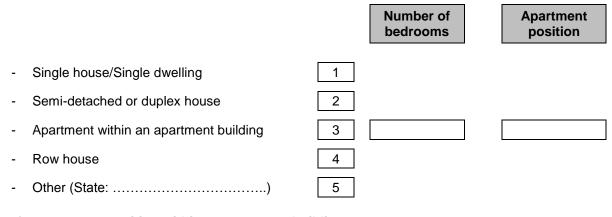
If the answer to question 1 is 'NO' proceed to the end of the questionnaire and state the reason for not carrying out the interview with the household.

2. Professional activity carried out within the residence that results to the consumption of significant amounts of energy:



<u>Note for the interviewer</u>: If the answer to question 2 is one of the options 2, 3 or 4 it should be clarified to the interviewed person that the consumption of energy due to a professional activity carried out within the residence **should not** be included in his/her answers to the rest of the questions.

3. Type of residence:



Note for apartment position within an apartment building:

1. Ground floor 2. Middle floor 3. Upper floor

4. Number of construction floors of the residence:

1	2	3	4	5 and above	

5. The household's residence is:

-	Owned	1	
-	Rented	2	
-	Provided for free	3	

6. Year of building completion:

-	Before 1971	1
-	1971-1980	2
-	1981-1990	3
-	1991-2000	4
-	2001-2005	5
-	2006-2009	6
-	2010-2013	7
-	2014–forward	8

7. Surface area of residence in square metres:

-	Less than 51	1
-	51-100	2
-	101-150	3
-	151-200	4
-	201-250	5
-	251-300	6
-	301-400	7
-	401-500	8
-	501-600	9
-	Over 600	10

Exact area in square metres

8. Surface area of residence which was heated during the cold months of the period from 1/7/17 until 30/6/18 in square metres:

-	Less than 51	1
-	51-100	2
-	101-150	3
-	151-200	4
-	201-250	5
-	251-300	6
-	301-400	7
-	401-500	8
-	501-600	9
-	Over 600	10
	Exact area in square metres	

9. Surface area of residence in which air conditioning was used for cooling during the hot months of the period from 1/7/17 until 30/6/18 in square metres:

-	Less than 51	1
-	51-100	2
-	101-150	3
-	151-200	4
-	201-250	5
-	251-300	6
-	301-400	7
-	401-500	8
-	501-600	9
-	Over 600	10
	Exact area in square metres	

10. Energy renovation: Have you proceeded with any kind of energy upgrading of your residence without using any of the funding schemes of the Ministry of Energy over the last decade?

	Year	Type of energy upgrade
- YES	1	
- NO	2	

11. Heat insulation of residence: State whether your residence is equipped with any of the following forms of heat insulation and declare the corresponding material used.

				Material
		YES	NO	
1	Heat insulation of external walls	1	2	
2	Loft/roof heat insulation	1	2	
3	Ground floor heat insulation	1	2	
4	Open floor heat insulation	1	2	
5	Frame insulation (doors, windows)	1	2	
6	Other (State:)	1	2	
ote fo	r heat insulating materials:			

Note	for	<u>heat</u>	<u>insulating</u>	materials:

1. Polystyrene	2. Glass wool	3. Rockwool	4. Thermal insulation bricks	5. Polyurethane
6. Aluminium with	thermal break	7. PVC	8. Wood	9. Other (State)

12. Glazing in the biggest part of your residence is:

- Single
- Single with movable shades (rollers, blinds etc)
- Single with coating
- Double
- Double with movable shades (rollers, blinds etc)
- Double with coating
- Triple
- Triple with movable shades (rollers, blinds etc)
- Triple with coating
- Other (State:)

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II. SPACE HEATING

13. Heating of residence: Did you use any kind of system/equipment in order to heat any space of your residence during the cold months of the period from 1/7/17 until 30/6/18?

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-	YES			
-	NO			

Note for the interviewer: If the answer to question 13 is 'NO' proceed to part III, question 27.

14. The types of heating equipment/system used in your residence were:

			Energy source		
		YES NO			
1	Central heating system with boiler	1 2			
2	Solar central heating system	1 2			
3	Heat pumps	1 2			
4	Efficient fireplace / Non portable stove	1 2			
5	Traditional / conventional fireplace	1 2			
6	Split units	1 2			
7	VRV/VRF system	1 2			
8	Storage heaters (EAC electric heating)	1 2			
9	Portable heater	1 2			
10	Other (State:)	1 2			
Note for energy source:1. Electricity2. Heating oil (Gasoil)4. Liquefied Petroleum Gas (LPG)5. Biomass5. Biomass6. Other (State)					

Note for the interviewer: If the answer to question 14 is 'YES' only for at least one of the options 5, 8 or 9 proceed to question 16.

		YES	NO
1	Radiators	1	2
2	Fan-Coil units	1	2
3	Internal units	1	2
4	Hydraulic under floor heating	1	2
5	Other (State:)	1	2

16. Which of the types of heating equipment/system (declared in question 14) used in your residence is considered to be the main heating type?

-	Central heating system with boiler	1
-	Solar central heating system	2
-	Heat pumps	3
-	Efficient fireplace / Non portable stove	4
-	Traditional / conventional fireplace	5
-	Split units	6
-	VRV/ VRF system	7
-	Storage heaters (EAC electric heating)	8
-	Portable heater	9
-	Other (State:)	10

<u>Note for the interviewer</u>: If the answer to question 16 is one of the options 5, 8 or 9 proceed to question 22.

17. In case that the main heating type you declared in question 16 is one of the options 1 to 4, 6, 7 or 10, please state whether it is:

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- Individual
- Collective

Note for the interviewer: If the answer to question 17 is 'Individual' proceed to question 19.

18. Does your main heating type, which is collective, have an electric meter per:

-	Dwelling unit (house, apartment)	1	
-	Building	2	

19. Is your main heating type equipped with a thermostat?

-	YES	1	
-	NO	2	

Note for the interviewer: If the answer to question 19 is 'NO' proceed to question 22.

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20. Is your main heating type equipped with:

A central thermostat

- Multiple thermostats in different thermal zones

21. Is/Are the thermostat/s of your main heating type:

- Programmable
- Non programmable

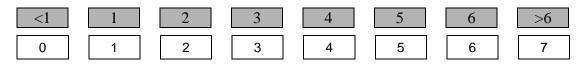
22. Age of your main heating type in years:



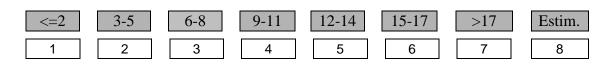
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23. Number of months your main heating type was in operation during the period from 1/7/17 until 30/6/18:



24. Average daily hours of operation of your main heating type during the cold months of the period from 1/7/17 until 30/6/18:

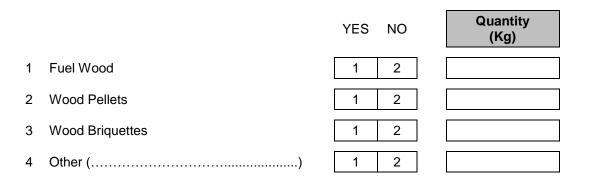


25. Consumption and expenditure for space heating purposes for the twelve month period from 1/7/17 until 30/6/18:

					Consumption		Expenditure (€)
		YES	NO				
1	Electricity	1	2			(KWh)	
2	Heating oil (Gasoil)	1	2]		(Litres)	
3	Kerosene	1	2]		(Litres)	
4	Liquefied Petroleum Gas (LPG)	1	2]		(Kg)	
5	Biomass	1	2]		(Kg)	
6	Other (State:)	1	2]		()	

<u>Note for the interviewer</u>: If the household **does not** use biomass, proceed to part III, question 27.

26. In case you use biomass for heating purposes, state the kind of biomass you used during the period from 1/7/17 until 30/6/18:



III. HOT WATER

27. System used for providing hot water:

- 1 System connected with central heating
- 2 Solar heater
- 3 Heat pumps (including VRV/VRF system)
- 4 Individual electric heater with storage tank
- 5 Individual LPG (gas) heater with storage tank
- 6 Electric continuous-flow water heater
- 7 LPG (gas) continuous-flow water heater
- 8 System connected with fireplace
- 9 Other (State:)

YES	NO
1	2
1	2
1	2
1	2
1	2
1	2
1	2
1	2
1	2

28. Is your residence equipped with hot water storage tank/s?

-	YES	1
-	NO	2

<u>Note for the interviewer</u>: If the answer to question 28 is 'NO' proceed to part IV, question 30.

29. Total capacity of hot water storage tank/s in litres:

<100	100-149	150-199	200-249	250-299	>=300
1	2	3	4	5	6

IV. SPACE COOLING

30. Air conditioning: Did you use any kind of system/units for cooling any space in your residence during the hot months of the period from 1/7/17 until 30/6/18?

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- YES
- NO

<u>Note for the interviewer</u>: If the answer to question 30 is 'NO' proceed to part V, question 37.

31. Technical characteristics of cooling system/units:

				Number	Power (1000 BTU/hr)	Power (KW)	Seasonal energy efficiency
		YES	NO				
1	Central system	1	2				
2	Heat pumps (including VRV/VRF system)	1	2				
3	Split units	1	2				
4	Portable air conditioners	1	2				
5	Other (State:)	1	2				

Note for the interviewer:

1. For option 2 (Heat pumps (including VRV/VRF system)) **Number** is defined as the total number of <u>external</u> units within the residence and **Power** is defined as the total power of these units measured in BTU/hr or KW.

2. For options 3, 4 and 5 (Split units, Portable air conditioners, Other) **Number** is defined as the total number of **<u>internal</u>** units within the residence and **Power** is defined as the total power of these units measured in BTU/hr or KW.

32. Is/Are the cooling system/units used in your residence equipped with a thermostat/s?



Note for the interviewer: If the answer to question 32 is 'NO' proceed to question 34.

33. Is/Are the thermostat/s of the cooling system/units used in your residence:

-	Programmable	1	
-	Non programmable	2	

34. Is/Are the cooling system/units used in your residence of an Inverter technology?

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- YES
- NO

35. Number of months that air conditioning was used for cooling during the period from 1/7/17 until 30/6/18:



36. Average daily hours of operation of air conditioning for cooling during the period from 1/7/17 until 30/6/18:

<=2	3-5	6-8	9-11	12-14	15-17	>17	Estim.
1	2	3	4	5	6	7	8

V. COOKING EQUIPMENT

37. Equipment used for cooking and average time of use per week (in minutes):

				Minutes of use
		YES	NO	
1	Electric cooker	1	2	
2	LPG (gas) cooker	1	2	
3	Electric oven	1	2	
4	LPG (gas) oven	1	2	
5	Microwave	1	2	
6	Cooker hood	1	2	
7	Toaster	1	2	
8	Coffee maker	1	2	
9	Electric kettle	1	2	
10	Multicooker	1	2	
11	Outdoor barbecue grill	1	2	
12	Other (State:)	1	2	

38. Energy source used for cooking and corresponding consumption during the period from 1/7/17 until 30/6/18:

			Consumption
		YES NO	
1	Electricity	1 2	
2	Liquefied Petroleum Gas (LPG)	1 2	(Kg)
3	Fuel Wood	1 2	(Kg)
4	Coal	1 2	(Kg)
5	Other (State:)	1 2	()

VI. ELECTRICAL APPLIANCES

39. Number and weekly time of use (in hours) of electrical appliances:

				Number	Hours of use
		YES	NO		
1	Fridge-Refrigerator	1	2		
2	Fridge (with no refrigerator)	1	2		
3	Refrigerator (individual)	1	2		
4	Water cooler	1	2		
5	Dish washer	1	2		
6	Washing machine (no dryer)	1	2		
7	Tumble dryer (individual)	1	2		
8	Clothes washing / drying machine	1	2		
9	Electric iron	1	2		
10	Vacuum cleaner	1	2		
11	Television	1	2		
12	Decoder / Modem	1	2		
13	DVD player	1	2		
14	Stereo	1	2		
15	Satellite dish	1	2		
16	Computer / Portable computer	1	2		
17	Printer / Photocopier / Fax machine	1	2		
18	Tablet / mobile phone	1	2		
19	Games console / video games	1	2		
20	Fan	1	2		
21	Hair dryer	1	2		
22	Common incandescent light bulbs	1	2		
23	Fluorescent light bulbs	1	2		
24	LED lamps	1	2		
25	Other (State:)	1	2		
26	Other (State:)	1	2		

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40. Do you usually keep your electrical appliances on standby mode?

- NO

VII. PENETRATION OF RENEWABLE ENERGY SOURCES

41. Is your residence equipped with solar panel/s (either for hot water or heating use)?

-	YES	1
-	NO	2

Note for the interviewer: If the answer to question 41 is 'NO' proceed to question 44.

42. In case your residence is equipped with solar panel/s please distinguish their kind and number:

				Number of panels
		YES	NO	
1	Flat glazed solar panels	1	2	
2	Flat unglazed solar panels	1	2	
3	Vacuum solar panels	1	2	
4	Solar panels with selective coating	1	2	
5	Other (State:)	1	2	

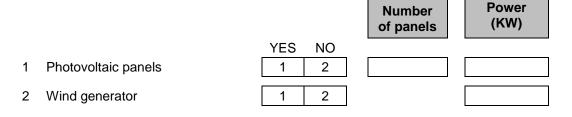
43. In case your residence is equipped with solar panel/s, please state their age (in years):

<=5	6-10	11-15	16-20	21-25	>25
1	2	3	4	5	6

44. Is your residence equipped with a heat pump?

			Type of heat pump
-	YES	1	
-	NO	2	

45. Is your residence equipped with any of the renewable energy sources equipment listed below and declare their technical characteristics?



VIII. CONSUMPTION AND EXPENDITURE FOR ENERGY PRODUCTS

46. Consumption of energy and expenditure by energy product during the twelve month period from 1/7/17 until 30/6/18:

					Consumption		Expenditure (€)
		YES	NO	•			
1	Electricity	1	2			(KWh)	
2	Heating oil (Gasoil)	1	2			(Litres)	
3	Kerosene	1	2			(Litres)	
4	Liquefied Petroleum Gas (LPG)	1	2	[(Kg)	
5	Biomass	1	2			(Kg)	
6	Coal	1	2			(Kg)	
7	Other (State:)	1	2			()	
8	Other (State:)	1	2	[()	

IX. HOUSEHOLD CHARACTERISTICS

47. Household size: State the number of persons living in the residence on 30/6/18.



Household member	Name	Gender	Level of education	Date of birth	Relationship with reference person
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

48. Composition of the household:

Gender: 1: Male 2: Female

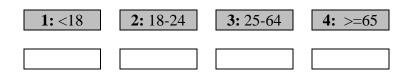
Level of education:

1. Primary education 2. Secondary education 3. Tertiary education

Relationship with reference person:

1. Reference person	2. Spouse/Partner	3. Children (natural or adopted)
4. Parents/Parents in law	5. Other relatives	6. No affinity
7. Housemaid		

49. Composition of the household by age groups: State how many persons of your household belong to each of the categories listed below (age groups 1 to 4).



50. Household income: State the corresponding category of the <u>total net income</u> of your household for the twelve month period from 1/7/17 until 30/6/18:

- <= 10.000€
- 10.001-20.000€
- 20.001-30.000€
- 30.001-40.000€
- 40.001-55.000€
- 55.001-70.000€
- 70.001-100.000€
- > 100.000€

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REASONS FOR NOT CARRYING OUT AN INTERVIEW WITH THE HOUSEHOLD

-	The household denies to cooperate	2
-	The household is absent for a very long time	3
-	The residence was demolished	4
-	The residence is empty	5
-	The residence is not the permanent residence of the household	6
-	The residence is used for other purposes, not for living	7
-	The residence was not found	8
-	Other reason (State:)	9

NOTE	S
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FOR OFFICIAL USE

Interviewer:	Date:
Checked by:	Date:
Corrected by:	Date: