### Section K: ENERGY ASSISTANCE

INTERVIEWER INSTRUCTION: SECTION K—ENERGY ASSISTANCE IS TO BE ASKED ONLY OF THOSE RESPONDENTS WHO QUALIFY FOR ASSISTANCE UNDER THE LOW INCOME HOME ENERGY ASSISTANCE PROGRAM (LIHEAP). ELIGIBILITY FOR LIHEAP IS DETERMINED BY EACH STATE AND IS DEPENDENT ON HOUSEHOLD INCOME AND THE HOUSEHOLD SIZE.

CAPI WILL DETERMINE IF YOU ARE TO ADMINISTER SECTION K TO THIS RESPONDENT. IF THE RESPONDENT'S HOUSEHOLD IS NOT ELIGIBLE CAPI WILL AUTOMATICALLY SKIP THESE QUESTIONS AND TAKE YOU TO SECTION L—HOUSING UNIT MEASUREMENTS.

K-1 INTERVIEWER INSTRUCTION: PLACE SHOW CARD 29 IN FRONT OF THE RESPONDENT. As a result of energy price increases, some households have faced challenges in paying home energy bills. The next set of questions are about the challenges you may have faced. Please look at Card 29. In the past 12 months, did you almost every month, some months, only 1 or 2 months, or never do the following because there wasn't enough money for your home energy bill?

		Almost		Only	
		Every	Some	1 or 2	
		<u>Month</u>	<u>Months</u>	<u>Months</u>	<u>Never</u>
K-1a	SCALEA Did you worry that you wouldn't be able to pay your home energy bill?	1	2	3	4
K-1b	SCALEB Did you reduce your expenses for what you consider to be basic household necessities?	1	2	3	4
K-1c	SCALEC Did you need to borrow from a friend or relative to pay your home energy bill?	1	2	3	4
K-1d	SCALED Did you skip paying your home energy bill or pay less than your whole home energy bill?	1	2	3	4
K-1e	SCALEE Did you have a supplier of your electric or home heating service threaten to disconnect your electricity or home heating fuel service, or discontinue making fuel deliveries?	1	2	3	4
K-1f	SCALEF Did you close off part of your home because you could not afford to heat or cool it?	1	2	3	4
K-1g	SCALEG Did you keep your home at a temperature that you felt was unsafe or unhealthy at any time of the year?	1	2	3	4
K-1h	SCALEH Did you leave your home for part of the day because it was too hot or too cold?	1	2	3	4
K-1i	SCALEI Did you use your kitchen stove or oven to provide heat?	1	2	3	4
	•				

K-2 ENERGYAID There is a home energy assistance program that helps people pay for their heating, cooling and other home energy costs and/or repair or replacement of their heating/cooling equipment. During the past 12 months did anyone in your household receive energy assistance?

Yes	. 1
No	. (

	K-2a	[If ENERGYAID	D=Yes] AIDADDRESS <b>Did you receive energy assist</b>	ance at this addre	ss?
			1 0		
<b>&lt;-</b> 3			d DNTHEAT<>2] Was there ever a time during the pain source of heat, but could not, for one or more of		
				<u>Yes</u>	<u>No</u>
	K-3a		ur heating system was <i>broken</i> and you o pay for its repair or replacement?	1	0
		Did re	PYFIX=Yes and ENERGYAID=Yes] NOPYFIXREST ceiving energy assistance help restore heating of your home?	1	0
	K-3b	of fuel oil, ker	Yes and UGWARM<>Yes] NOPYFL You ran out osene, propane (bottled gas), coal, or wood were unable to pay for a delivery?	1	0
		Did re	PYFL=Yes and ENERGYAID=Yes] NOPYFLREST ceiving energy assistance help restore heating of your home?	1	0
	K-3c	NOPYEL The service becau	utility company <i>discontinued</i> your electric se you were <i>unable</i> to pay your bill?	1	0
		Did re	PYEL=Yes and ENERGYAID=Yes] NOPYELREST ceiving energy assistance help restore heating of your home?	1	0
	K-3d		Yes] NOPYGAS The utility company discontinued ice because you were unable to pay your bill?	1	0
		Did re	PYGA=Yes and ENERGYAID=Yes] NOPYGASREST ceiving energy assistance help restore heating of your home?	1	0
<b>&lt;-4</b>	-	-	s there ever a time during the past 12 months when y I not, for one or more of the following reasons:	ou wanted to use y	our air
	K-4a		Your air-conditioner was <i>broken</i> and you o pay for its repair or replacement?	<u>Yes</u> 1	<u>No</u> 0
		Did re	PYFIXAC=Yes and ENERGYAID=Yes] NOPYFIXACRE ceiving energy assistance help restore cooling of your home?		0
	K-4b		The utility company <i>discontinued</i> your electric se you were <i>unable</i> to pay your bill?	1	0
		Did re	PYELAC=Yes and ENERGYAID=Yes] NOPYELACRES ceiving energy assistance help restore cooling of your home?	T 1	0

February       2       August         March       3       Septemb         April       4       October         May       5       November	vas your electricity discontinued? (Mark all tha 7 8 9 10 er11 er12
Yes       1         No       0         If NOPAY=Yes] MTHSNOPY In which months wapply.)         January       1         July       2         August       3         April       4       October         May       5       November         June       6       December    If NOPAY=Yes] NTIMEWOEL How many separates	7 
No	7 
Japply.)         January	7 
February       2       August         March       3       Septemb         April       4       October         May       5       Novembe         June       6       Decembe    If NOPAY=Yes] NTIMEWOEL How many separa	8 per10 er11 er12
March       3       September         April       4       October         May       5       November         June       6       December    If NOPAY=Yes] NTIMEWOEL How many separate	per9 10 er11 er12
April	10 er11 er12
May	er11 er12
June	er12
If NOPAY=Yes] NTIMEWOEL <b>How many separ</b> a	
Enter the number of times	
If NOPAY=Yes] NDAYSWOEL Altogether, how past 12 months because your electric service v	
Enter the number of whole days	
	NUMBER OF DAYS IS LESS THAN ONE FULI
IK INTERVIEWER INSTRUCTION: RECORD ANCE RECEIVED BY THIS HOUSING UNIT THA IDENT'S ANSWERS.	D ANY INFORMATION HERE ABOUT ENERGY AT MIGHT PROVIDE CLARIFICATION TO THE
Di N	Enter the number of whole days  INTERVIEWER INSTRUCTION: IF THE DAY, ENTER "444" AS THE RESPONSE  C INTERVIEWER INSTRUCTION: RECORD

# Section L: HOUSING UNIT MEASUREMENTS

INTERVIEWER INSTRUCTION: TAKE OUT THE YELLOW HOUSING UNIT NOTES/MEASUREMENTS BOOKLET FOR THIS HOUSING UNIT. CATI WILL TELL YOU THE CASE ID NUMBER FOR THIS HOUSING UNIT TO ENSURE THAT YOU USE THE CORRECT BOOKLET.

	size an	d shape	understand the usage of energy in your home/apartment, we need to know about its?  E. Would you tell me how many square feet of heated living space you have in your nt? Your best estimate will do.
		Enter th	ne square footage here
(SOME UNUSU	OTHER AL STR	TYPE UCTUR	JCTION: IF APTFLOORS>3 (APARTMENT HAS MORE THAN 3 FLOORS OR STORIES=50 OF STRUCTURE), GO TO QUESTION L-3. THIS HOUSING UNIT IS SOME TYPE OF E. USE THE MEASUREMENT BOOKLET TO MARK AND, IF NECESSARY, SKETCH THE OR AND MANUALLY RECORD ALL MEASUREMENTS.
	RESPC togethe	ONDENT er to fin	INTERVIEWER INSTRUCTION: PLACE SHOW CARD 30 IN FRONT OF THE Please look at Card 30. Thinking about the main or first floor of your home, let's work d which of these shapes best describes the shape of the living space (if applicable: parage) on the main or first floor?
		T-shape	or Rectangle
		TON L-4	wo stories, Three stories, or Split-level or NAPTFLRS=2 or 3. OTHERWISE, GO TO .] SHAPE2FLR Is the <i>shape</i> of the second floor of this housing unit the same as the
L	₋-3a	-	PE2FLR=Yes] SIZE2FLR <b>Is the </b> <i>size</i> of the second floor of this housing unit the same first floor?
			Yes
		L-3b	[If SHAPE2FLR=No or SIZE2FLR=No] SHAPE2FLRA INTERVIEWER INSTRUCTION: PLACE SHOW CARD 30 IN FRONT OF THE RESPONDENT. Please look at Card 30. Thinking about the second floor of your home, which of the shapes best describes the shape of the living space on the second floor?
			Square or Rectangle

L-4			t-4="Three stories or Split-level" or NAPTFLRS=3. OTHERWISE, GO TO QUESITON L-5.] Is the <i>shape</i> of the third floor of this housing unit the same as the second floor?
	L-4a		PE3FLR=Yes] SIZE3FLR <b>Is the </b> <i>size</i> <b> of the third floor of this housing unit the same as the d floor?</b>
			Yes
		L-4b	[If SHAPE3FLR=No or SIZE3FLR=No] SHAPE3FLRA INTERVIEWER INSTRUCTION: PLACE SHOW CARD 30 IN FRONT OF THE RESPONDENT. Please look at Card 30. Thinking about the <i>third</i> floor of your home, which of these shapes best describes the shape of the living space on the third floor?
			Square or Rectangle
L-5	ATTIC	USE=AI	es and ATTICHEAT=All or Part} and {(If TYPEHUQ=2 or 3) or (TYPEHUQ=4 and I or Part.)} OTHERWISE, GO TO QUESTION L-6.] SHAPEATTIC Is the shape of the attic of unit the same as the floor under it?
	L-5a		APEATICT=Yes] SIZEATTIC Is the size of the attic of this housing unit the same as the under it?
			Yes
		L-5b	[If SHAPEATTIC=No or SIZEATTIC=No] SHAPEATTICA INTERVIEWER INSTRUCTION: PLACE SHOW CARD 30 IN FRONT OF THE RESPONDENT. Please look at Card 30. Thinking about the <i>attic</i> of your home, which of these shapes describes the shape of the living space in the attic?
			INTERVIEWER INSTRUCTION: IF THIS IS AN APARTMENT IN A 2-4 UNIT BUILDING, REMIND THE RESPONDENT TO INCLUDE ON THE SAPE THAT THE HAVE EXCLUSIVE USE OF IN THE DESCRIPTION.
			Square or Rectangle

L-6	BASE	SEFIN=Yes and BASEHEAT=All or Part} and {(If TYPEHUQ=2 or 3) or (If TYPEHUQ=4 and SE=All or Part.)} OTHERWISE, GO TO THE MEASUREMENTS INSTRUCTIONS.] SHAPEBASE Is pe of the basement of this housing unit the same as the floor directly above it?
	L-6a	Yes
		Yes
		L-6b [If SHAPEBASE=No or SIZEBASE=No] SHAPEBASEA INTERVIEWER INSTRUCTION: PLACE SHOW CARD 30 IN FRONT OF THE RESPONDENT. Please look at Card 30. Thinking about the <i>basement</i> of your home (if applicable: including the garage), which of these shapes best describes the shape of the basement?
		INTERVIEWER INSTRUCTION: IF THIS IS AN APARTMENT IN A 2-4 UNIT BUILDING, REMIND THE RESPONDENT TO INCLUDE ON THE SAPE THAT THE HAVE EXCLUSIVE USE OF IN THE DESCRIPTION.
		Square or Rectangle
L-7	in squ	RE <b>To understand the usage of energy in your home/apartment, we need to know its exact size</b> are feet. [If SQFTEST>0 Even thought you have given me you best estimate with' If ST=0 or Don't know With ] your permission, I would like to measure your home.
		Measurements follow
INITED	\/I <b>=</b> \//=	INSTRUCTIONS: IF THE RESPONDENT REFUSED TO LET VOLUMEASURE THE HOUSING LINIT

INTERVIEWER INSTRUCTIONS: IF THE RESPONDENT REFUSED TO LET YOU MEASURE THE HOUSING UNIT, THANK HIM/HER AND CONCLUDE THE INTERVIEW.

IF APTFLOORS>3 (APARTMENT HAS MORE THAN 3 FLOORS OR STORIES=50 (SOME OTHER TYPE OF STRUCTURE). THIS HOUSING UNIT IS SOME TYPE OF UNUSUAL STRUCTURE. USE THE MEASUREMENT BOOKLET TO MARK AND, IF NECESSARY, SKETCH THE SHAPE OF EACH FLOOR AND MANUALLY RECORD ALL MEASUREMENTS.

#### **Measurement Instructions**

For all housing units: The main or first floor of this housing unit (if applicable, including the garage) is to be measured.

In the Measurements Booklet on page 7 for the Main/First Floor, check the box for:

(Shape of Floor)

If the floor is "Some Other Shape": Record all information for this floor inside the Measurements Booklet.

If SHAPE2FLR=No or SIZE2FLR=No: This housing unit has a second floor that is to be measured.

In the Measurements Booklet, for the Second Floor, check the boxes for:

Measure

(Shape of Floor)

If the floor is Some Other Shape: Record all information for this floor inside the Measurements Booklet.

If SHAPE3FLR=No or SIZE3FLR=No: This housing unit has a third floor that is to be measured.

In the Measurements Booklet on page 7, for the Third Floor, check the boxes for:

Measure

(Shape of Floor)

If the floor is Some Other Shape: Record all information for this floor inside the Measurements Booklet.

If SHAPEATTIC=No or SHAPEATTIC=No: This housing unit has an attic that is to be measured.

In the Measurements Booklet on page 7, for the Attic, check the boxes for:

Measure

(Shape of Floor)

If the floor is Some Other Shape: Record all information for this floor inside the Measurements Booklet.

If SHAPEBASE=No or SHAPEBASE=No: This basement of this housing unit (if applicable, including the garage) is to be measured.

In the Measurements Booklet on page 7, for the Basement, check the boxes for:

Measure

(Shape of Floor)

If the floor is Some Other Shape: Record all information for this floor inside the Measurements Booklet.

If NAPTFLRS > 3 or STORIES=Four or more stories: This housing unit has more than 3 floors (in addition to any attics or basements). You are to measure all the floors in this housing unit.

For the first four floors (and any attics or basements), use the available pages in the yellow Measurements Booklet to sketch the shape of the floor and to record your measurements.

For each additional floor, use a separate piece of paper to sketch the shape of the floor and to record your measurements. Securely attach these papers to the yellow Measurements Booklet

L-8a	THE L	APE1FLRA=Square or Rectangle] FLR1L1 FLR1W1 INTERVIEWER INSTRUCTION: MEASURE ENGTH AND WIDTH OF THE FIRST/MAIN FLOOR. RECORD THE MEASUREMENTS IN THE
	SPAC	ES BELOW. ROUND THE LENGTH AND WIDTH TO THE NEAREST WHOLE FOOT.
		Enter the length here Enter the width here
L-8b	DIVIDE AND V	APE1FLRA=L- or T-shaped] FLR1L1 FLR1W1 LFR1L2 FLR1W2 INTERVIEWER INSTRUCTION: E THE FIRST/MAIN FLOOR INTO TWO SQUARES OR RECTANGLES AND MEASURE THE LENGTH VIDTH OF EACH ONE. RECORD THE MEASUREMENTS IN THE SPACES BELOW. ROUND THE TH AND WIDTH TO THE NEAREST WHOLE FOOT.
		Enter the length of the first area here Enter the width of the
		Enter the length of the second area here
	L-8c	MEAS1FLR INTERVIEWER INSTRUCTION: RECORD WHERE THE FIRST/MAIN FLOOR MEASUREMENTS WERE TAKEN.
		Outside the unit
I-9a	INTER RECO	HAPE2FLR=No or SIZE2FLR=No} and SHAPE2FLRA=Square or Rectangle] FLR2L1 FLR2W1 EVIEWER INSTRUCTION: MEASURE THE LENGTH AND WIDTH OF THE SECOND FLOOR. RD THE MEASUREMENTS IN THE SPACES BELOW. ROUND THE LENGTH AND WIDTH TO THE EST WHOLE FOOT.
		Enter the length here Enter the width here
L-9b	FLR2V RECTA	APE2FLR=No or SIZE2FLR=No} and SHAPE2FLRA=L- or T-shaped] FLR2L1 FLR2W1 FLR2L2 V2 INTERVIEWER INSTRUCTION: DIVIDE THE SECOND FLOOR INTO TWO SQUARES OR ANGLES AND MEASURE THE LENGTH AND WIDTH OF EACH ONE. RECORD THE UREMENTS IN THE SPACES BELOW. ROUND THE LENGTH AND WIDTH TO THE NEAREST LE FOOT.
		Enter the length of the first area here Enter the width of the
		Enter the length of the second area here second area here.
	L-9c	MEAS2FLR INTERVIEWER INSTRUCTION: RECORD WHERE THE SECOND FLOOR MEASUREMENTS WERE TAKEN.
		Outside the unit

L-10a	INTER'	APE3FLR=No or SIZE3FLR=No} and SHAPE3FLRA=Square or Rectangle] FLR3L1 FLR3W1 VIEWER INSTRUCTION: MEASURE THE LENGTH AND WIDTH OF THE THIRD FLOOR. RECORD EASUREMENTS IN THE SPACES BELOW. ROUND THE LENGTH AND WIDTH TO THE NEAREST E FOOT.
		Enter the length here Enter the width here
L-10b	FLR3W RECTA MEASI	APE3FLR=No or SIZE3FLR=No} and SHAPE3FLRA=L- or T-shaped] FLR3L1 FLR3W1 FLR3L2 V2 INTERVIEWER INSTRUCTION: DIVIDE THE THIRD FLOOR INTO TWO SQUARES OR ANGLES AND MEASURE THE LENGTH AND WIDTH OF EACH ONE. RECORD THE JREMENTS IN THE SPACES BELOW. ROUND THE LENGTH AND WIDTH TO THE NEAREST E FOOT.
		Enter the length of the first area here Enter the width of the
		Enter the length of the second area here Enter the width of the second area here
	L-10c	MEAS3FLR INTERVIEWER INSTRUCTION: RECORD WHERE THE THIRD FLOOR MEASUREMENTS WERE TAKEN.
		Outside the unit       1         Inside the unit       2         Other (Specify)       3         Not measured       4         Not applicable       9
L-11a	INTER MEASI	APEATTIC=No or SIZEATTIC=No) and SHAPEATTICA=Square or Rectangle] FLRAL1 FLRAW2 VIEWER INSTRUCTION: MEASURE THE LENGTH AND WIDTH OF THE ATTIC. RECORD THE UREMENTS IN THE SPACES BELOW. ROUND THE LENGTH AND WIDTH TO THE NEAREST E FOOT.
		Enter the length here Enter the width here
L-11b	FLRAV AND M	APEATTIC=No or SIZEATTIC=No} and SHAPEATTICA=L- or T-shaped] FLRAL1 FLRAW1 FLRAL2 V2 INTERVIEWER INSTRUCTION: DIVIDE THE ATTIC INTO TWO SQUARES OR RECTANGLES IEASURE THE LENGTH AND WIDTH OF EACH ONE. RECORD THE MEASUREMENTS IN THE ES BELOW. ROUND THE LENGTH AND WIDTH TO THE NEAREST WHOLE FOOT.
		Enter the length of the first area here Enter the width of the
		Enter the length of the second area here
	L-11c	MEASATTIC INTERVIEWER INSTRUCTION: RECORD WHERE THE ATTIC MEASUREMENTS WERE TAKEN.
		Outside the unit

pleasant day/evening.

L-12a	INTER THE M	VIEWER	R INSTRUC EMENTS I	CTION:	MEASU	RE THI	<b>LENGT</b>	H AN	D WID	TH OF	THE	BASEM	IENT.	FLRBW1 RECORD NEAREST
		Enter tl	ne length h	nere			Enter the	width	h here .		[			
L-12b	FLRBV RECTA MEASI	V2 INT ANGLES	ERVIEWE AND M NTS IN TH	ER INST EASURI	TRUCTION	ON: [ LENG	DIVIDE T TH AND	THE	BASEN OTH O	IENT F EA	INTO CH C	TWO NE.	SQUA RECC	1 FLRBL2 ARES OR ORD THE NEAREST
			ne length o				Enter the first area				[			
		Enter the second	ne length o	of the			Enter the second a				[			
	L-12c	MEASI MEASI	BASE JREMENT				RUCTION	N:	RECO	RD \	NHER	E TH	E BA	ASEMENT
			Outside to Inside the Other (Sp Not meas Not appli	e unit pecify sured			)		. 2 . 3 . 4					
FLOOF TO EN PAPER ADDITI	RS (IN AI ETER T RS THA ONAL F	DDITION HE MEA T INCL LOORS	NTO ANY ASUREME UDE THE	ATTICS NTS FO SKETO ELLOW I	OR BAS OR THES CHES C MEASU	SEMEN SE OTH OF THE	TS). THE IER FLO E SAHPA	ERE IS ORS. AE A	S NO M BE SU ND TH	ORE F JRE TO IE ME	ROOM O SEC ASUR	IN THE CUREL REMEN	CAP Y ATT TS O	E THAN 3 I SYSTEM ACH THE F THESE ARTMENT
			Section	n M:	SCA	NNA	ING C	)F F	FUEL	. BII	LS			
M-1a	FOBILI INTER THE R THE BI will wa	LTOSCA VIEWER ESPONI ILLS. The	N=Yes or RINSTRUC DENT HAS at is the la	FOBILLT CTION: S GIVEN ist ques	OSCAN BASED YOU BI tion I ha	I2=Yes ON TH LLS TO I <b>ve</b> . Th	or KEROI E INFOR SCAN. ank you	BILLT MATI NEXT for yo	OSCANION YC ION YC I, YOU Our time	N=Yes OU EN <sup>-</sup> ARE S e and c	or KEF TEREI AY GO Coope	ROBILL D ABOU DOD-B ration.	TOSC JT FU YE TH <b>Befo</b> l	N2=Yes or AN2=Yes] EL BILLS, EN SCAN re I leave I er. Have a
	M-1a1		INTERVI			JCTION	I: EN	ΓER	YOUR	6-DI	GIT F	IELD	INTE	RVIEWER
			Enter the	Field In	terviewe	er ID Nu	mber	L						
M-1b														AN2 and ARE NO.]

INTERVIEWER INSTRUCTION: BASED ON THE INFORMATION YOU ENTERED ABOUT FUEL BILLS, THE RESPONDENT HAS NOT GIVEN YOU ANY BILLS TO SCAN. YOU ARE NOW TO CONCLUDE THE INTERVIEW. That is the last question I have. Thank you for your time and cooperation. Have a

M-1b1	FIID2	INTERVIEWER	INSTRUCTION:	<b>ENTER</b>	YOUR	6-DIGIT	<b>FIELD</b>	INTERVIEWER
	IDENT	IFICATION NUME	BER.					
		Enter the Field Ir	nterviewer ID Numbe	er				

## U.S. DEPARTMENT OF ENERGY 2005 RESIDENTIAL ENERGY CONSUMPTION SURVEY

### **Authorization Form**

Sample ID #						

I hereby give permission to the electric, natural gas, fuel oil, and propane (bottled gas including LPG) company or companies that provide energy to me to provide information to the designated agent of the U.S. Department of Energy for confidential use in connection with their survey for the U.S. Department of Energy.

This authorization covers the following data for the period from October 1, 2004, through January 31, 2006:

- 1) the total amount of fuels used by my household
- 2) the total price charged for fuels used by my household

Companies are authorized to provide this information by monthly periods or by delivery date, whichever applies. An electronic copy of this authorization may be accepted with the same authority as the original.

Signature (1):	Date:
Printed Name:	
Signature (2):	Date:
Printed Name:	