OMB Control Number: **XXXX-XXXX**Expiration Date: MM/DD/YYYY

DF2a: SHORT FORM HOUSING UNIT INFORMATION SURVEY

Thank you for your prompt response to this data request which is part of the ARRA-period evaluation of the Weatherization Assistance Program. Evaluation results will provide essential feedback to the weatherization community and inform policymakers about the program's effects on clients' energy consumption, cost savings, and non-energy benefits.

This data form collects detailed information about homes weatherized by your agency in Program Year 2010. The information you supply will be used with billing history data to better understand energy savings attributable to the Weatherization Assistance Program under ARRA.

Please use this form (DF2) to provide information about any single family detached and attached houses, mobile homes, or individual units within multi-family buildings. The Building Information Survey (DF3) should be used to document information on small or large multifamily buildings in which the whole building and all units in the building were weatherized or are waitlisted. Refer to the definitions of each building type provided at the end of the survey because these definitions are slightly different than those commonly used within the Weatherization Assistance Program.

All of the information obtained from this survey will be protected and will remain confidential. The data will be analyzed in such a way that the information provided cannot be associated back to your state, your agencies, or the housing units and clients that your state served.

Thank you in advance for completing this survey.

Form completed by:			Date:	
IDENTIFICATION				
[Q1-5 will be pre-comple	ted by the ev	aluation team]	
1. Agency name:				
2. State:				
3. Agency job number: _				
4. Occupant name:				
5a. Site address:			5b. City:	
WEATHERIZATION I	NFORMAT	TION		
Weatherization dates (no 6a. Started:6b. Completed:				
		(day)		

The start date is the first date that weatherization improvements were made to the home. The weatherization start date is not the date the audit or home assessment was conducted UNLESS energy efficiency improvements were made at the time of the audit. Client education and low-cost measures such as light bulbs and showerheads ARE considered energy efficiency improvements, and if any of those are implemented at the time of the audit, then the start date is the audit date.

The end date is the last date that weatherization improvements were made to the home, including any rework required after agency or state-level post-weatherization inspections. The date of the post-inspection should NOT be used as the weatherization end date unless the post-inspection was conducted on the last day that improvements were made to the home and no rework was required.

HOUSING UNIT

9. Building type – see definitions at the end of the survey: <i>(check only one)</i>
☐ Single-family detached house
Single-family attached house (e.g., side-by-side duplex, townhouse, row house)
Single-family – unknown whether attached or detached
☐ Mobile home ☐ Small multifamily building (2.4 units per building and not a SE attached house)
☐ Small multifamily building (2-4 units per building and not a SF attached house)☐ Large multifamily building (5 or more units per building and not a SF attached house)
Shelter
Don't know
10. Number of stories above grade: <i>(check only one)</i>
4 or more
Don't know
☐ Not applicable
Diagon list the number of stories above ground level. If there are half stories, round up to the
Please list the number of stories above ground-level. If there are half-stories, round up to the nearest whole number. For example, please check "2" for a 1.5-story split-level house.
nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one)
nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one) 2000 or later
nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one) 2000 or later 1990 to 1999
nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one) 2000 or later 1990 to 1999 1980 to 1989
nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one) 2000 or later 1990 to 1999 1980 to 1989 1970 to 1979
nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one) 2000 or later 1990 to 1999 1980 to 1989 1970 to 1979 1960 to 1969
nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one)
nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one)
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nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one) 2000 or later 1990 to 1999 1980 to 1989 1970 to 1979 1960 to 1969 1950 to 1959 1940 to 1949 1930 to 1939 1920 to 1929
nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one)
nearest whole number. For example, please check "2" for a 1.5-story split-level house. 14. Year house/building originally built: (check only one)

Heated floor area at the time of wea	therization:	
15a. Heated floor area:	ft²	☐ Don't know
Include the ba	sement only if it i	is intentionally heated.
If you only know the total square footage of the home, please select "don't know" rather than listing the total square footage.		
☐ Electricity ☐ Natural gas ☐ Propane/LPG ☐ Fuel oil ☐ Wood ☐ Other (specify:) ting before weathe	er before weatherization: (check only one) erization: (check only one)
Don't know 18. Type of <i>primary</i> space-heating system before weatherization: <i>(check only one)</i> Central (ducted) warm-air furnace (forced-air or gravity, any fuel including electricity) Heat pump Built-in electric units (e.g., electric baseboards, ceiling heat) Steam or hot water system (e.g., floor or baseboard radiators, convectors) Floor, wall, or pipeless (ductless) furnace (e.g., floor or wall furnace) Room/space heater (nonportable) Portable space heater Cooking stove None Don't know		
Select "steam or hot	water system" fo	r homes heated with boilers.

19. If small or large multifamily building, was the primary space-heating system shared with other housing units? <i>(check only one)</i> [Yes [No [Don't know [Not applicable
20. <i>Supplemental</i> fuel(s) used to heat the unit during the winter before weatherization: <i>(check all</i>
that apply)
☐ Electricity
□ Natural gas
Propane/LPG
☐ Fuel oil
☐ Wood
☐ Other (specify:) ☐ Don't know
21. Type of <i>operable</i> air conditioning system present before weatherization: <i>(check all that apply)</i> Central air conditioner/heat pump
☐ Window/wall units
☐ Evaporative cooling system ("swamp coolers")
□ None
☐ Don't know
AUDIT
29. Primary method used to select weatherization measures for this house (excluding health, safety, and repair measures and general heat waste measures): <i>(check only one)</i> Priority list
☐ Calculation procedure (e.g., spreadsheet, computerized audit) ☐ Other (specify:)

DIAGNOSTICS AND INSPECTIONS

Record the diagnostic measurements taken on **THIS** housing unit: *(fill in all that were taken)*

For diagnostics that were performed multiple times, please provide the measurements that are closest to the pre-weatherization and post-weatherization conditions of the home.

Diagnostic measurement	Pre-	Post
	weatherization	weatherization
House air leakage (blower door measurement):		
38a. Air leakage rate	cfm	cfm
38b. House WRT outside pressure difference ¹	Pa	Pa

MEASURES INSTALLED

Please check the appropriate boxes in the "installed" column to indicate which measures were installed in the home during the weatherization process.

Measure	
	Installed?
Air sealing work:	
42b. Air sealing emphasizing bypasses (leaks identified by auditor and/or crew without using a blower door)	
42c. Air sealing emphasizing bypasses (leaks identified by auditor and/or crew with aid of a blower door)	
42d. Air distribution system (duct) sealing or repair ²	
Insulation:	
43a. Attic insulation	
If attic insulation was installed, please provide quantity: 43bsquare feet	
43cpounds	
43d. What was the R value of attic insulation prior to weatherization? (Leave blank if unknown. Enter 0 if there was no existing insulation.	
43e. Wall insulation	

¹ Report the pressure differential at which the blower door test was performed. A typical value is 50 Pascals. Do not report baseline pressure (typically less than 5 Pascals).

² Check 42d if duct sealing or duct repair was performed. Check 46d if new ductwork was installed. Check 49c if new vents, grills or registers were installed.

Measure	
	Installed?
If wall insulation was installed, please provide quantity:	
43fsquare feet	
43gpounds	
43h. Floor insulation	
43i. Rim or band joist insulation (sill box)	
43j. Foundation wall insulation	
43k. Duct insulation	
Windows:	
44a. New window (justified because cost effective)	
44b. New window (justified for reason other than cost effectiveness)	
44h. Storm window installed	
Central space heating systems (e.g., furnaces, boilers): ³	
46a. New heating system (justified because cost effective)	
46b. New heating system (justified for reason other than cost effectiveness)	
Air-conditioning systems:	
47a. New air conditioner (justified because cost effective)	
47b. New air conditioner (justified for reason other than cost effectiveness)	
HVAC accessories:	
49a. New programmable (setback) thermostat	
Water-heating system:	
50a. New water heater (justified because cost effective)	
50b. New water heater (justified for reason other than cost effectiveness)	

 $[\]overline{\ }^3$ Include central heating systems installed through programs other than WAP, such as emergency heating system replacements funded by LIHEAP.

	Installed?
Other baseloads:	
51d. Refrigerator (justified because cost effective)	
51e. Refrigerator (justified for reason other than cost effectiveness)	
54. If a new space-heating system was installed, indicate the primary fu	el used to heat the unit
during the winter after weatherization: <i>(check only one)</i>	
☐ Natural gas	
☐ Propane/LPG	
☐ Kerosene (#1 fuel oil)	
☐ Fuel oil (#2 fuel oil)	
☐ Electricity	
□ Wood	
∏ Coal	
Other (specify:)	
☐ Don't know	
☐ Not applicable	
55. If a new space-heating system was installed, indicate the type of <i>prin</i>	nary space-heating
system after weatherization: <i>(check only one)</i>	
☐ Central (ducted) warm-air furnace (forced-air or gravity, any fu	uel including electricity)
☐ Heat pump	
Built-in electric units (e.g., electric baseboards, ceiling heat)	
Steam or hot water system (e.g., floor or baseboard radiators, c	convectors)
Floor, wall, or pipeless (ductless) furnace (e.g., floor or wall fu	
Room/space heater (nonportable)	,

Measure

Select "steam or hot water system" for homes heated with boilers.

Portable space heater

Other (specify: _____

☐ Cooking stove

☐ Don't know☐ Not applicable

_ None

COSTS

61. Provide the total cost of weatherizing this housing un NOT include program management costs (e.g., intake, at administration) or installation-related overhead costs (e.g.	ıdits, final inspections or program
62. Divide the total costs spent on this housing unit (from	1 Question 61) into the categories below.
62a. Cost effective energy-related measures (SIR > 1.0)	
62b. Health and safety and other non-cost effective measures	
62c. Incidental repairs	
62d. Enter total job cost if above categories are not known	
62e. Total (should match Q61 total)	[Auto-tally]
66. Divide the total costs spent on this housing unit (from categories below.	n Question 61) into these funding source
66a. DOE-Normal Appropriation/Formula WAP funds ¹	
66b. DOE Sustainable Energy Resources for Consumers (SERC) Funds	
66c. DOE Weatherization Innovation Pilot Program (WIPP) Funds	
66d. Non-DOE (leveraged) funds	
66e. Total (should match Q61 total)	[Auto-tally]
¹ This line includes ARRA funds for standard weatherization jobs.	

Energy Assistance Program (LI-EAP) funding should be considered Non-DOE funds if it is tracked separately.

Housing Type Definitions

Single Family Detached – House that provides living space for one family or household, is contained within walls that go from the basement (or the ground floor, if there is no basement) to the roof, and has no walls that are shared (or built in contact) with another household. A manufactured house assembled on site is a single family detached housing unit, not a mobile home.

Single Family Attached – House that provides living space for one household, is contained within walls that go from the basement (or the ground floor, if there is no basement) to the roof, has at least one wall that is shared (or built in contact) with an adjacent household, and has an independent outside entrance. An attached house does not have any other households living above or below, and does not share basement or attic space with other housing units. Also, an attached house does not share a heating or cooling system with any other housing units. Examples include row houses, townhouses, condominiums and side-by-side duplexes that do not have shared attics, basements or HVAC equipment.

Small Multi-family (2-4 units) – Building with two to four housing units (i.e., building that is divided into living quarters for two, three, or four families or households) in which one household lives above or beside another and does not meet the single family attached house definition. Includes houses originally intended for occupancy by one family (or for some other use) that have since been converted to separate dwellings for two to four families. Typical arrangements in these types of living quarters are separate apartments downstairs and upstairs or one apartment on each of three or four floors.

Large multifamily (5 or More Units per Building) – Building with five or more housing units (i.e., building that contains living quarters for five or more families or households) that does not meet the single family attached house definition.

Mobile Home – Home that is built on a movable chassis, is moved to the site, and may be placed on a permanent or temporary foundation. If rooms are added to the structure, it is considered a mobile home if the added floor area is less than the mobile home's original floor area; otherwise, it is a single family detached house. A manufactured house assembled on site is a single family detached house, not a mobile home.

Shelter - Structure whose principal purpose is to house individuals on a temporary basis who may or may not be related to one another and who are not living in nursing homes, prisons, or similar institutional care facilities.