

Residential On-Site Survey Form - Prescriptive

Site ID # \_\_\_\_\_

Site ID #:  Site Strata:  Survey Date:

**Contact Information:**

Owner Name: \_\_\_\_\_  
 Occupant Name (if different from owner) \_\_\_\_\_  
 Owner Phone: \_\_\_\_\_ Tenant Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
 Address 1: \_\_\_\_\_  
 Address 2: \_\_\_\_\_  
 City: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 City: \_\_\_\_\_ Zip: \_\_\_\_\_

\* Mailing address is only needed if different from building address

**Survey Tracking Information**

Surveyor Name: \_\_\_\_\_ Travel Mileage: \_\_\_\_\_  
 Start Time: \_\_\_\_\_ Finish Time: \_\_\_\_\_ Total Time (mins):  
 (Onsite, QC, Travel) \_\_\_\_\_

Scheduling Notes: \_\_\_\_\_

Month/Year of Home Performance Assessment	Month/Year of Home Performance Work Completion
Number of Year Round Occupants	Change in number of occupants over the past 12 months?
Any significant changes to household energy consumption over the past 12 months?	Y / N (if yes, please document the changes below)

Site & Survey Notes (Please note any changes to the household's energy usage or occupancy over the past 12 months):

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

<b>Room(s) that could not be entered:</b>	<b>Reason?</b>

**Background Information**

**Dwelling Information**

Dwelling type	
Year Built	
Number of stories	

**Utility Information**

	Electric	Natural Gas
Utility		
Account Number		
Meter Number		

**Installed Measures**

	Measure Description	Quantity	Energy Savings	Units of Savings	Total Customer Cost
EE Measure 1					
EE Measure 2					
EE Measure 3					
EE Measure 4					
EE Measure 5					
EE Measure 6					
EE Measure 7					
EE Measure 8					

**Interview & Introduction**

Hello, my name is [NAME] and I work with KEMA Inc. I am working on behalf of [Sponsor] to conduct an independent assessment of energy-efficiency technologies installed under the &Program. I am here to meet with [FirstName1 LastName2] to discuss energy-using technologies in this home. (Show letter, identification and business card.) During my visit I'd like to ask a few questions about your home's general characteristics and then would like walk through to note the number and type of lighting fixtures and visually inspect heating, cooling, and water heating equipment. The survey should take no more than 300 minutes to complete. Do you have any questions regarding my visit?

The U.S. Department of Energy (DOE) would like to inform each individual that the information requested here is being solicited under the statutory authority of Title III of the Energy Policy and Conservation Act of 1975, as amended, which authorizes DOE to administer the State Energy Program (SEP). This information is being sought as part of a national evaluation of SEP, the purpose of which is to reliably quantify Program accomplishments and help inform decisions on future operations. The sole use of the information collected will be for an analysis of national-level Program impacts. Disclosure of this information is voluntary and there will be no adverse effects associated with not providing all or any part of the requested information.

**Cooling Equipment –Inventory**

	Primary	Secondary
<b>C1. Cooling Type</b> C = Central Air Conditioning CO=Cooling coil HPA = Heat Pump – air HPG= Heat Pump - ground R = Room air conditioning N = No AC OTH = Other (describe) DK= Don't Know	C CO HPA HPG R N DK OTH _____ [If N or DK skip to CV1]	C CO HPA HPG R N DK OTH _____ [If N or DK skip to CV1]
<b>C2. Size</b>	tons / kBtu / kW	tons / kBtu / kW
<b>C3. Manufacturer</b>		
<b>C4. Model Number</b>		
<b>C5. Serial Number</b>		
<b>C6. Estimated Age</b> 1. <1 year old 2. 1-4 years old 3. 5-10 years old 4. 11-15 years old 5. 16-20 years old 6. >20 years old 7. Don't Know	1 2 3 4 5 6 7	1 2 3 4 5 6 7
<b>C7. Manufacturer Date</b>		
<b>C8. Efficiency</b> (from yellow sticker)	SEER / EER	SEER / EER

<b>C9. Space Served</b>	<ol style="list-style-type: none"> <li>1. Serves home or apartment only</li> <li>2. Serves more than one home or apartment</li> </ol>	<ol style="list-style-type: none"> <li>1. Serves home or apartment only</li> <li>2. Serves more than one home or apartment</li> </ol>
<b>C10. Frequency of Use</b> <ol style="list-style-type: none"> <li>1. All summer</li> <li>2. Quite a bit</li> <li>3. Only a few times when needed</li> <li>4. Not at all</li> <li>5. Don't know</li> </ol>	<p style="text-align: center;"><b>1 2 3 4 5</b></p>	<p style="text-align: center;"><b>1 2 3 4 5</b></p>

\* If Type = Room AC, note the quantity in the notes section

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**Cooling Equipment – Verification of Installed Measures** (repeat set of questions for each type of equipment installed under the program)

	Installed Equipment
<b>CV1. Cooling Type Installed</b> <b>C</b> = Central Air Conditioning <b>E</b> = Evaporative coolers (swamp coolers) <b>HPA</b> = Heat Pump – air <b>HPG</b> =Heat Pump - ground <b>R</b> = Room air conditioning <b>DK</b> = Don't Know <b>OTH</b> = Other (describe)	<b>C E HPA HPG R</b>  <b>DK</b>  <b>OTH</b> _____
<b>CV2. Quantity</b>	
<b>CV3. Efficiency</b> (from yellow sticker)	SEER / EER
<b>[If CV2 not equal to quantity in tracker, else skip to CR1]</b>  <b>CV4. Reason quantity differed:</b>  1. No idea 2. Put into storage 3. Installed somewhere else in U.S. 4. Insufficient financial resources to complete 5. Other (describe) _____ 6. Don't know 7. Refused	<b>1 2 3 4</b>  <b>5</b> _____  <b>6 7</b>
<b>CV5. Do you plan to install in the next year?</b>  <b>Y</b> = Yes <b>N</b> = No <b>DK</b> =Don't know <b>REF</b> =Refused	<b>Y N DK REF</b>

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	Replaced Equipment
<b>CR1. Cooling Type Replaced</b> <b>C</b> = Central Air Conditioning <b>E</b> = Evaporative coolers (swamp coolers) <b>H</b> = Heat Pump (heats & cools) <b>R</b> = Room air conditioning <b>DK</b> = Don't know <b>REF</b> = Refused <b>OTH</b> = Other (describe) <b>NO</b> =no cooling equipment replaced	<b>C E H R DK REF</b> <b>OTH</b> _____  <b>NO</b> <b>[If NO, DK, REF, skip to H1]</b>
<b>CR2. Quantity</b>	
<b>CR3. Efficiency</b> (from yellow sticker)	SEER / EER
<b>CR4. Condition of replaced equipment</b> <b>G</b> = Good <b>F</b> = Fair <b>P</b> =Poor <b>I</b> =Inoperable <b>DK</b> =Don't know <b>REF</b> =Refused	<b>G F P I DK REF</b>
<b>CR5. Estimated Age</b> 1. <5 years old 2. 5-10 years old 3. 11-20 years old 4. >20 years old 5. Don't know 6. Refused	<b>1 2 3 4 5 6</b>

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**Heating Equipment –Inventory**

	Primary	Secondary
<b>H1. Fuel Type</b> N=Natural gas B= Bottled gas/propane E=Electric O=Oil K=Kerosene W=Wood S=Solar G=Geothermal OTH=Other (describe) _____ NO=No heating system DK=Don't know	N B E O K W S G OTH _____ NO DK [If NO or DK skip to HV1]	N B E O K W S G OTH _____ NO DK [If NO or DK skip to HV1]
<b>H2. Heating Type</b> 1. Central forced air furnace 2. Steam boiler (upright radiators or baseboards) 3. Hot water boiler (upright radiator or base boards) 4. Baseboard, wall heaters without fans or ceiling cables 5. Wall heaters with fans 6. Air source heat pump 7. Ground source heat pump 8. Direct vent space heaters 9. Un-vented space heaters 10. Portable heaters 11. Fireplace inserts 12. Stoves 13. Other _____ 14. No heating system 15. Don't know	1 2 3 4 5 6 7 8 9 10 11 12 13 _____ 14 15	1 2 3 4 5 6 7 8 9 10 11 12 13 _____ 14 15
<b>H3. Input Capacity</b>	kBtuh / kW / GPH	kBtuh / kW / GPH
<b>H4. Output Capacity</b>	kBtuh / kW	kBtuh / kW
<b>H5. Manufacturer</b>		
<b>H6. Model Number</b>		
<b>H7. Serial Number</b>		
<b>H8. Estimated Age</b> 1. <1 year old 2. 1-4 years old 3. 5-10 years old 4. 11-15 years old 5. 16-20 years old 6. >20 years old 7. Don't know	1 2 3 4 5 6 7	1 2 3 4 5 6 7
<b>H9. Manufacturer Date</b>		
<b>H10. Efficiency *</b>	AFUE / COP	AFUE / COP

<b>H11. Space Served</b>	<ol style="list-style-type: none"> <li>1. Serves home or apartment only</li> <li>2. Serves more than one home or apartment</li> </ol>	<ol style="list-style-type: none"> <li>1. Serves home or apartment only</li> <li>2. Serves more than one home or apartment</li> </ol>
<b>H12. Frequency of Use</b>	<ol style="list-style-type: none"> <li>1. Everyday</li> <li>2. 3-5 days per week</li> <li>3. 1-2 days per week</li> <li>4. Only a few days a year</li> <li>5. Don't know</li> <li>6. Refused to answer</li> </ol>	<ol style="list-style-type: none"> <li>1. Everyday</li> <li>2. 3-5 days per week</li> <li>3. 1-2 days per week</li> <li>4. Only a few days a year</li> <li>5. Don't know</li> <li>6. Refused to answer</li> </ol>

\* If efficiency not available for electric equipment, note volts and amperage from nameplate. (For non-electric equipment, note input and output values).

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**Heating Equipment – Verification of Installed Measures** (repeat set of questions for each type of equipment installed under the program)

	Installed Equipment
<b>HV1. Heating Type Installed</b> G = Natural gas boiler W =Wood pellet boiler H= Heat pump (heats & cools) DK = Don't know OTH = Other (describe)	G W H DK OTH _____
<b>HV2. Quantity</b>	
<b>HV3. Fuel type</b> N=Natural gas B= Bottled gas/propane E=Electric O=Oil W=Wood S=Solar OTH=Other (describe)_____	N B E O W S OTH _____
<b>[If HV2 not equal to Quantity in Tracker, else skip to HR1]</b>  <b>HV4. Reason quantity differed:</b>  1. No idea 2. Put into storage 3. Installed somewhere else in U.S. 4. Insufficient financial resources to complete 5. Other (describe)_____ 6. Don't know 7. Refused	1 2 3 4 5 _____ 6 7
<b>HV5. Do you plan to install in the next year?</b>  Y= Yes N= No DK=Don't know REF=Refused	Y N DK REF

Notes:  
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Replaced Equipment	
<p><b>HR 1. Heating Type Replaced</b>  <b>G</b> = Natural gas boiler  <b>W</b> =Wood pellet boiler  <b>F</b>=Furnace  <b>DK</b> = Don't Know  <b>REF</b> = Refused  <b>OTH</b> = Other (describe)  <b>NO</b>=No heating equipment replaced</p>	<p><b>G W F DK REF</b>  <b>OTH</b> _____  <b>NO</b>  <b>[IF NO, DK, REF, skip to WH1]</b></p>
<p><b>HR 2. Condition of replaced equipment</b>  <b>G</b>= Good  <b>F</b>= Fair  <b>P</b>=Poor  <b>I</b>=Inoperable  <b>DK</b>=Don't know  <b>REF</b>=Refused</p>	<p><b>G F P I DK REF</b></p>
<p><b>HR 3. Estimated Age</b>                      1. &lt;5 years old                      2. 5-10 years old                      3. 11-20 years old                      4. &gt;20 years old                      5. Don't know                      6. Refused</p>	<p><b>1 2 3 4 5 6</b></p>

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**Water Heating Equipment –Inventory**

	Primary	Secondary
<b>WH1. Fuel Type</b> N=Natural gas B= Bottled gas/propane E=Electric O=Oil K=Kerosene W=Wood S=Solar G=Geothermal OTH=Other (describe)_____ NO=No heating system DK=Don't know	N B E O K W S G OTH _____ NO DK [If NO or DK skip to WHV1]	N B E O K W S G OTH _____ NO DK [If NO or DK skip to WHV1]
<b>WH2. Equipment Type:</b> 1. Traditional water heater tank 2. Whole house tankless system or instantaneous 3. Heat pump water heater 4. High efficiency gas storage water heater 5. Indirect tank attached to a boiler 6. Other _____ 7. Don't know 8. Refused to answer	1 2 3 4 5 6 _____ 8 9	1 2 3 4 5 6 _____ 8 9
<b>WH3. Manufacturer</b>		
<b>WH4. Model Number</b>		
<b>WH5. Serial Number</b>		
<b>WH6. Manufacture Date</b>		
<b>WH7. Quantity</b>		
<b>WH8. Size: Tank Capacity/Volume in Gallons</b>		
<b>WH9. Rated Input Capacity</b>		
<b>WH10. Rated Input Capacity Units: (W=kW or B=kBtuh)</b>	W B	W B
<b>WH11. Location</b> 1. Garage 2. Attic 3. Conditioned space 4. Outside closet 5. Mechanical room/closet 6. Other _____	1 2 3 4 5 6 _____	1 2 3 4 5 6 _____
<b>WH12. Location dimensions (W x D x H)</b>		
<b>WH13. Is water heater less than 8' away from all DHW fixtures?</b>	Y N	Y N

<b>WH14. Estimated Age</b> 1. <1 year old 2. 1-4 years old 3. 5-10 years old 4. 11-15 years old 5. 16-20 years old 6. >20 years old 7. Don't know	1 2 3 4 5 6 7	1 2 3 4 5 6 7
<b>WH 15. Water Heater wrap</b>	Y N DK	Y N DK
<b>WH16. Hot water pipes insulated</b>	Y N DK	Y N DK
<b>WH17. Water heater timer visible?</b>	Y N DK	Y N DK

\*Select solar water heater back-up fuel [N = natural gas, E = electricity, F = fuel oil, P = propane]

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**Water Heating Equipment – Verification of Installed Measures** (repeat set of questions for each type of equipment installed under the program)

	Installed Equipment
<b>WHV1. Fuel type</b> N=Natural gas B= Bottled gas/propane E=Electric O=Oil S=Solar DK = Don't know OTH=Other (describe)_____	N B E O S DK  OTH_____
<b>WHV2. Quantity</b>	
<b>WHV3. Temperature setting</b>	1. _____ 2. Don't know 3. Refused

<p><b>[Ask If WHV2 not equal Quantity in Tracking, else skip to WHR1]</b>  <b>WHV4. Reason quantity differed:</b></p> <ol style="list-style-type: none"> <li>1. No idea</li> <li>2. Put into storage</li> <li>3. Installed somewhere else in U.S.</li> <li>4. Insufficient financial resources to complete</li> <li>5. Other (describe) _____</li> <li>6. Don't know</li> <li>7. Refused</li> </ol>	<p><b>1    2    3    4</b></p> <p><b>5</b> _____</p> <p><b>6    7</b></p>
<p><b>WHV5. Do you plan to install in the next year?</b></p> <p>Y= Yes  N= No  DK=Don't know  REF=Refused</p>	<p><b>Y    N    DK    REF</b></p>

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**Water Heating Equipment – Replaced Equipment**

	Replaced
<b>WHR1. Fuel Type</b> N=Natural gas B= Bottled gas/propane E=Electric S=Solar G=Geothermal OTH=Other (describe) _____ NO=No heating system DK=Don't know REF=Refused	N B E S G OTH _____ NO DK REF
<b>WHR2. Equipment Type:</b> 1. Traditional water heater tank 2. Tankless or instantaneous hot water heater 3. Other _____ 4. Don't know 5. Refused to answer	1 2 3 _____ 4 5
<b>WHR3. Temperature setting</b>	1. _____ 2. Don't know 3. Refused
<b>WHR4. Is a clothes washer present?</b> Y= Yes N= No DK=Don't know	Y N DK
<b>WHR5. Do you wash clothes in warm or hot water?</b> A=Always S=Sometimes N=Never DK=Don't know REF=Refused	A S N DK REF
<b>WHR6. Is a dishwasher present?</b> Y= Yes N= No DK=Don't know	Y N DK

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**Lighting Inventory**

Record information on all interior and exterior lighting sockets on the attached sheets. Refer to bulb shape code list.

Fixture Group Information									
F1. Fixture Group #									
F2. Location (Room Type)									
F3. Control Type	SDL3 MPT	SDL3 MPT	SDL3 MPT	SDL3 MPT	SDL3 MPT	SDL3 MPT	SDL3 MPT	SDL3 MPT	SDL3 MPT
F4. Fixture Type									
F5. Total # of Fixtures									
Lamp Information									
L1. Lamps per Fixture									
L2. Watts per Lamp									
L3. Lamp Type	ICF HLO	ICF HLO	ICF HLO	ICF HLO	ICF HLO	ICF HLO	ICF HLO	ICF HLO	ICF HLO
L4. Lamp Shape									
L5. Base Type	SMSS PO	SMSS PO	SMSS PO	SMSS PO	SMSS PO	SMSS PO	SMSS PO	SMSS PO	SMSS PO

\* I = Incandescent, C = Compact Fluorescent, F = Fluorescent, H = Halogen, L = LED, O = Other  
 SM = Mini Screw SS = Standard Screw P = Pin O = Other  
 S = Switch D = Dimmer L = Photocell 3 = Three-way M = Motion P = Photomotion T = Timer

Notes: \_\_\_\_\_  
 \_\_\_\_\_  
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Room Types	Fixture Types	Lamp Types	Lamp Descriptions
Basement	Ceiling fixtures	CF-I-A	Compact fluorescent integrated – Use code from below
Bathroom – 1	Ceiling Fan	CF-Mini	Any CFL with mini screw base
Bathroom – 2	Floor Lamp	CF-PIN-Base	Compact fluorescent type all, non-integrated ballast (pin base)
Bathroom – 3	Other	F-12	T-12 Fluorescent
Bathroom – Master	Architecturally Integrated (built into furniture)	F-4	T-4 Fluorescent
Bedroom – 1	Garage Door Opener	F-5	T-5 Fluorescent
Bedroom – 2	Wall mount	F-8	T-8 Fluorescent
Bedroom – 3	Recessed can	F-CIR	T-12 or T-8 Circular
Bedroom – 4	Torchiere	F-OTH	Other Tube Fluorescent not listed above
Bedroom – Mster	Chandelier / Hanging	F-TUBE-UNK	Unknown fluorescent tube lamp
Breakfast Nook	Table lamps	HAL-MR	MR-16 pin based halogen
Closet	Track lighting	HAL-PAR	Halogen Parabolic Reflector
Dining Rm	Under Cabinet	HAL-QTZTUB	Halogen quartz tube
Family Room	Exterior – post	HAL-OTH	Other Halogen lamp not listed above
Garage	Exterior – walkway	I-DEC	Decorative screw based incandescent
Hall	Exterior – wall mount	I-FLOOD	Flood/PAR screw based incandescent
Kitchen	<b>Control Types</b>	I-GLO	Globe style screw based incandescent
Laundry Rm	Switch	I-Mini	Any incandescent with mini screw base
Living Rm	Dimmer	I-OTH	Other screw based incandescent
Office	Motion	I-STD	Standard screw based incandescent
Other	Photocell	I-UNK	Unknown type screw based incandescent
Exterior Porch	Photo/motion	HEAT LAMP	Relatively high wattage incandescent lamp commonly found in bathrooms
Exterior – Other	Timer	SSL	Any Solid State Lamp
Rec Rm			
<b>Wattage</b>			
888 – three way			
999 – unknown			

A bulb AB
A bulb, 3-way AB3
A bulb, dimmable ABD
Bug lamp BG
Bullet BL
Bullet, 3-way BL3
Bullet, dimmable BLD
Circline CL
Circline, 3-way CL3
Circline, dimmable CLD
Double tube DT
Double tube, 3-way DT3
Double tube, dimmable DTD
Flood lamp FL
Flood lamp, 3-way FL3
Flood lamp, dimmable FLD



Globe GL
Globe, 3-way GL3
Globe, dimmable GLD
Quad tube QT
Quad tube, 3-way QT3
Quad tube, dimmable QTD
Spiral SP
Spiral, 3-way SP3
Spiral, dimmable SPD
Torpedo TP
Torpedo, 3-way TP3
Torpedo, dimmable TPD
Torpedo, candelabra base TPC
Triple tube TT
Triple tube, 3-way TT3
Triple tube, dimmable TTD



<p><b>[Ask If F5 not equal to Quantity in Tracker, else skip to DW1]</b></p> <p><b>LV1. Reason quantity differed:</b></p> <ol style="list-style-type: none"> <li>1. No idea</li> <li>2. Put into storage</li> <li>3. Installed somewhere else in U.S.</li> <li>4. Insufficient financial resources to complete</li> <li>5. Other (describe) _____</li> <li>6. Don't know</li> <li>7. Refused</li> </ol>	<p><b>1   2   3   4</b></p> <p><b>5</b> _____</p> <p><b>6   7</b></p>
<p><b>LV2. Do you plan to install in the next year?</b></p> <p>Y= Yes  N= No  DK=Don't know  REF=Refused</p>	<p><b>Y   N   DK   REF</b></p>

**Appliance Verification**

<b>Dishwasher</b>	
<p><b>DW1. Did you replace an existing dishwasher?</b>                  Y= Yes                  N= No                  DK=Don't know                  REF=Refused</p>	<p>Y N DK REF</p> <p><b>[If N, DK, REF then skip to DW5]</b></p>
<p><b>DW2. Estimated Age of replaced dishwasher</b></p> <ol style="list-style-type: none"> <li>1. &lt;1 year old</li> <li>2. 1-4 years old</li> <li>3. 5-10 years old</li> <li>4. &gt;10 years old</li> <li>5. Don't know</li> <li>6. Refused</li> </ol>	<p>1 2 3 4 5 6</p>
<p><b>DW3. Was the replaced dishwasher working?</b>                  Y= Yes                  N= No                  DK=Don't know                  REF=Refused</p>	<p>Y N DK REF</p> <p><b>[If N, DK, REF, skip to DW5]</b></p>
<p><b>DW4. Condition of replaced dishwasher</b>                  G= Good                  F= Fair                  P=Poor                  DK=Don't know                  REF=Refused</p>	<p>G F P DK REF</p>
<p><b>[ Ask If quantity not equal to quantity in tracker, else skip to CW1]</b></p> <p><b>DW5. Reason quantity differed:</b></p> <ol style="list-style-type: none"> <li>1. No idea</li> <li>2. Put into storage</li> <li>3. Installed somewhere else in U.S.</li> <li>4. Insufficient financial resources to complete</li> <li>5. Other (describe) _____</li> <li>6. Don't know</li> <li>7. Refused</li> </ol>	<p>1 2 3 4</p> <p>5 _____</p> <p>6 7</p>
<p><b>DW6. Do you plan to install in the next year?</b>                  Y= Yes                  N= No                  DK=Don't know                  REF=Refused</p>	<p>Y N DK REF</p>
<b>Clothes Washer</b>	

<p><b>CW1. Did you replace an existing clothes washer?</b>                  Y= Yes                  N= No                  DK=Don't know                  REF = Refused</p>	<p>Y N DK REF                  [If N, DK, REF skip to CW4]</p>
<p><b>CW2. Estimated Age of replaced clothes washer</b>                  1. &lt;1 year old                  2. 1-4 years old                  3. 5-10 years old                  4. &gt;10 years old                  5. Don't know                  6. Refused</p>	<p>1 2 3 4 5 6</p>
<p><b>CW3. Was the replaced clothes washer working?</b>                  Y= Yes                  N= No                  DK=Don't know                  REF=Refused</p>	<p>Y N DK REF</p>
<p><b>CW4. Do you have a clothes dryer?</b></p>	<p>Y N DK REF                  [If N, DK, REF skip to CW6]</p>
<p><b>CW5. Fuel type of clothes dryer:</b>                  E=Electric N=Natural Gas                  OTH=Other (specify) _____                  DK=Don't know                  REF=Refused</p>	<p>E N                  OTH _____                  DK REF</p>
<p>[Ask if quantity not equal to quantity in tracker, else skip to R1]  <b>CW6. Reason quantity differed:</b>                  1. No idea                  2. Put into storage                  3. Installed somewhere else in U.S.                  4. Insufficient financial resources to complete                  5. Other (describe) _____                  6. Don't know                  7. Refused</p>	<p>1 2 3 4                  5 _____                  6 7</p>
<p><b>CW7. Do you plan to install in the next year?</b>                  Y= Yes                  N= No                  DK=Don't know                  REF=Refused</p>	<p>Y N DK REF</p>
<p><b>Refrigerator</b></p>	

<p><b>R1. Location of freezer:</b></p> <ol style="list-style-type: none"> <li>1. Freezer on bottom</li> <li>2. Freezer on top</li> <li>3. Freezer on side</li> <li>4. Don't know</li> <li>5. Refused</li> </ol>	<p><b>1 2 3 4 5</b></p>
<p><b>R2. Through the door ice machine in new refrigerator:</b></p> <p>Y= Yes N= No DK=Don't know</p>	<p><b>Y N DK</b></p>
<p><b>R3. Type of defrost:</b></p> <p>A=Automatic defrost P=Partial automatic defrost M=Manual defrost DK=Don't know</p>	<p><b>A P M DK</b></p>
<p><b>R4. Plugged in and operating:</b></p> <ol style="list-style-type: none"> <li>1. All the time</li> <li>2. Special occasions only</li> <li>3. During certain months</li> <li>4. Never plugged in</li> <li>5. Don't know</li> </ol>	<p><b>1 2 3 4 5</b></p>
<p><b>R5. Size:</b></p> <p>C=Compact S=Standard O=Oversized DK= Don't know</p>	<p><b>C S O DK</b></p>
<p><b>R6. Did this refrigerator replace an existing refrigerator</b></p> <p>Y= Yes N= No DK=Don't know REF=Refused</p>	<p><b>Y N DK REF</b></p> <p><b>[If N, DK, REF, skip to R14]</b></p>
<p><b>R7. Location of freezer for replaced refrigerator:</b></p> <ol style="list-style-type: none"> <li>1. Freezer on bottom</li> <li>2. Freezer on top</li> <li>3. Freezer on side</li> <li>4. Don't know</li> <li>5. Refused</li> </ol>	<p><b>1 2 3 4 5</b></p>
<p><b>R8. Through the door ice machine in replaced refrigerator:</b></p> <p>Y= Yes N= No DK=Don't know REF=Refused</p>	<p><b>Y N DK REF</b></p>

<p><b>R9. Through the door ice machine in replaced refrigerator:</b></p> <p>Y= Yes N= No DK=Don't know REF=Refused</p>	<p>Y N DK REF</p>
<p><b>R10. Estimated Age of replaced refrigerator</b></p> <ol style="list-style-type: none"> <li>1. &lt;1 year old</li> <li>2. 1-4 years old</li> <li>3. 5-10 years old</li> <li>4. &gt;10 years old</li> <li>5. Don't know</li> <li>6. Refused</li> </ol>	<p>1 2 3 4 5 6</p>
<p><b>R11. Has the replaced refrigerator been removed from the home?</b></p> <p>R=Removed from home S=Still have it DK=Don't know REF=Refused</p>	<p>R S DK REF</p> <p>[If S, DK, REF, skip to R13]</p>
<p><b>R12. How did you dispose of your old refrigerator?</b></p> <ol style="list-style-type: none"> <li>1. Took it recycler or scrap dealer</li> <li>2. Took it to a landfill or threw away</li> <li>3. Sold or gave it to a private party</li> <li>4. Sold it to a used refrigerator/freezer dealer</li> <li>5. Hired someone to pick it up</li> <li>6. Utility program hauled it away</li> <li>7. Left it behind when moved</li> <li>8. Other (specify) _____</li> <li>9. Don't know</li> <li>10. Refused</li> </ol>	<p>1 2 3 4 5 6 7</p> <p>8 _____</p> <p>9 10</p>
<p><b>R13. Was the replaced refrigerator working?</b></p> <p>Y= Yes N= No DK=Don't know REF=Refused</p>	<p>Y N DK REF</p>

<p><b>[If quantity not equal to quantity in tracker, else skip to I1]</b></p> <p><b>R14. Reason quantity differed:</b></p> <ol style="list-style-type: none"> <li>1. No idea</li> <li>2. Put into storage</li> <li>3. Installed somewhere else in U.S.</li> <li>4. Insufficient financial resources to complete</li> <li>5. Other (describe) _____</li> <li>6. Don't know</li> <li>7. Refused</li> </ol>	<p>1   2   3   4</p> <p>5 _____</p> <p>6   7</p>
<p><b>R15. Do you plan to install in the next year?</b></p> <p>Y= Yes N= No DK=Don't know REF=Refused</p>	<p>Y   N   DK   REF</p>

Notes:

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**Other Measure Verification**

<p><b>Insulation</b></p>	
<p><b>I1. Did you add insulation to walls, attic/ceiling or both?</b> W= Wall only A=Attic/ceiling only B=Both DK=Don't know REF=Refused</p>	<p>W   A   B   DK   REF</p> <p><b>[If A skip to I8, if DK, REF skip to SHA1]</b></p>
<p><b>I2. Was there existing insulation in walls?</b> Y= Yes N= No DK=Don't know REF=Refused</p>	<p>Y   N   DK   REF</p> <p><b>[If N, DK, REF skip to I4]</b></p>

<p><b>I3. Previous R value or number of inches in wall insulation:</b></p>	<p>1. R Value _____                  2. # of inches _____                  3. Don't know                  4. Refused</p>
<p><b>I4. Current R value or number of inches in wall insulation:</b></p>	<p>1. R Value _____                  2. # of inches _____                  3. Don't know                  4. Refused</p>
<p><b>I5. Number of Rooms insulated</b></p>	<p>1. Number of rooms _____                  2. Don't know                  3. Refused</p>
<p><b>[Ask If quantity not equal to quantity in tracker, else if I1= B skip to I8, else skip to SHA1]</b></p> <p><b>I6. Reason quantity differed:</b></p> <p>1. No idea                  2. Put into storage                  3. Installed somewhere else in U.S.                  4. Insufficient financial resources to complete                  5. Other (describe) _____                  6. Don't know                  7. Refused</p>	<p>1   2   3   4                  5 _____                  6   7</p>
<p><b>I7. Do you plan to install in the next year?</b></p> <p>Y= Yes                  N= No                  DK=Don't know                  REF=Refused</p>	<p>Y   N   DK   REF</p>
<p><b>I8. Existing insulation in attic/ceiling?</b></p> <p>Y= Yes                  N= No                  DK=Don't know                  REF=Refused</p>	<p>Y   N   DK   REF</p> <p><b>[If N, DK, REF skip to I10]</b></p>
<p><b>I9. Previous R value or number of inches in attic/ceiling insulation:</b></p>	<p>1. R Value _____                  2. # of inches _____                  3. Don't know                  4. Refused</p>
<p><b>I10. Current R value or number of inches in attic/ceiling insulation:</b></p>	<p>1. R Value _____                  2. # of inches _____                  3. Don't know                  4. Refused</p>



<p><b>[Ask If quantity not equal to quantity in tracker, else, skip to SHA1]</b></p> <p><b>I11. Reason quantity differed:</b></p> <ol style="list-style-type: none"> <li>1. No idea</li> <li>2. Put into storage</li> <li>3. Installed somewhere else in U.S.</li> <li>4. Insufficient financial resources to complete</li> <li>5. Other (describe) _____</li> <li>6. Don't know</li> <li>7. Refused</li> </ol>	<p>1    2    3    4</p> <p>5 _____</p> <p>6    7</p>
<p><b>I12. Do you plan to install in the next year?</b></p> <p>Y= Yes N= No DK=Don't know REF=Refused</p>	<p>Y    N    DK    REF</p>
<p><b><i>Showerhead and Faucet Aerators</i></b></p>	
<p><b>SHA1. Quantity showerheads installed through the program</b></p>	<ol style="list-style-type: none"> <li>1. Number _____</li> <li>2. Don't know</li> <li>3. Refused</li> </ol>
<p><b>SHA2. Where was the showerhead installed? (more than one response allowed)</b></p> <ol style="list-style-type: none"> <li>1. Main shower (one shower in home)</li> <li>2. Master bathroom shower</li> <li>3. Guest shower</li> <li>4. Outdoor shower</li> <li>5. Other _____</li> <li>6. Don't know</li> <li>7. Refused</li> </ol>	<p>1    2    3    4</p> <p>5 _____</p> <p>6    7</p>
<p><b>SHA3. Quantity aerators installed through the program</b></p>	<ol style="list-style-type: none"> <li>1. Number _____</li> <li>2. Don't know</li> <li>3. Refused</li> </ol>

<p><b>IF SHA1 or SHA3 not equal to quantity in tracker, else skip to DT1]</b></p> <p><b>SHA6. Reason quantity differed:</b></p> <ol style="list-style-type: none"> <li>1. No idea</li> <li>2. Put into storage</li> <li>3. Installed somewhere else in U.S.</li> <li>4. Insufficient financial resources to complete</li> <li>5. Other (describe) _____</li> <li>6. Don't know</li> <li>7. Refused</li> </ol>	<p>1   2   3   4</p> <p>5 _____</p> <p>6   7</p>
<p><b>SHA8. Do you plan to install in the next year?</b></p> <p>Y= Yes N= No DK=Don't know REF=Refused</p>	<p>Y   N   DK   REF</p>
<p><b><i>Duct testing and Sealing</i></b></p>	
<p><b>DT1. Was the duct system installed or replaced during the time you have lived in the home?</b></p> <p>Y= Yes N= No DK=Don't know REF=Refused</p>	<p>Y   N   DK   REF</p>
<p><b>DT2. Estimated Age</b></p> <ol style="list-style-type: none"> <li>1. &lt;5 years old</li> <li>2. 5-10 years old</li> <li>3. 11-20 years old</li> <li>4. &gt;20 years old</li> <li>5. Don't know</li> <li>6. Refused</li> </ol>	<p>1   2   3   4   5   6</p>
<p><b><i>Other Equipment Installed Through the Program (repeat as needed)</i></b></p>	
<p><b>O1. Type of equipment</b></p>	<p>_____</p> <p><b>[If none, skip to D1]</b></p>
<p><b>O2. Quantity installed through the program</b></p>	<ol style="list-style-type: none"> <li>1. Number _____</li> <li>2. Don't know</li> <li>3. Refused</li> </ol>

<p><b>[IF O2 not equal to quantity in tracker, else skip to D1]</b></p> <p><b>O3. Reason quantity differed:</b></p> <ol style="list-style-type: none"> <li>1. No idea</li> <li>2. Put into storage</li> <li>3. Installed somewhere else in U.S.</li> <li>4. Insufficient financial resources to complete</li> <li>5. Other (describe) _____</li> <li>6. Don't know</li> <li>7. Refused</li> </ol>	<p><b>1 2 3 4</b></p> <p><b>5</b> _____</p> <p><b>6 7</b></p>
<p><b>O4. Do you plan to install in the next year?</b></p> <p>Y= Yes  N= No  DK=Don't know  REF=Refused</p>	<p><b>Y N DK REF</b></p>

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**Housing and Demographic Information**

<p><b>D1. Housing Type:</b></p> <ol style="list-style-type: none"> <li>1. One-family detached</li> <li>2. One-family home attached to one or more houses</li> <li>3. Apartment building with 2 apartments</li> <li>4. Apartment building with 3 or 4 apartments</li> <li>5. Apartment building with 5 or more apartments</li> <li>6. Mobile home</li> <li>7. Boat, RV, van etc.</li> <li>8. Other _____</li> <li>9. Don't know</li> <li>10. Refused to answer</li> </ol>	<p>1 2 3 4 5 6 7</p> <p>8 _____</p> <p>9 10</p>
<p><b>D2. Number of year-round occupants:</b></p>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. Don't know</li> <li>3. Refused to answer</li> </ol>
<p><b>D3. Number of rooms (exclude laundry rooms, foyers, unfinished spaces and garages):</b></p>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. Don't know</li> <li>3. Refused to answer</li> </ol>
<p><b>D4. Square footage:</b></p>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. Don't know</li> <li>3. Refused to answer</li> </ol>
<p><b>D5. Number of floors:</b></p> <ol style="list-style-type: none"> <li>1. 1 floor</li> <li>2. 2 floors</li> <li>3. 3 floors</li> <li>4. More than 3 floors</li> <li>5. Don't know</li> <li>6. Refused to answer</li> </ol>	<p>1 2 3 4</p> <p>5 6</p>
<p><b>D6. Age of building:</b></p> <ol style="list-style-type: none"> <li>1. Before 1970's</li> <li>2. 1970's</li> <li>3. 1980's</li> <li>4. 1990-1994</li> <li>5. 1995-1999</li> <li>6. 2000's</li> <li>7. Don't know</li> <li>8. Refused to answer</li> </ol>	<p>1 2 3 4 5 6</p> <p>7 8</p>