

Energy Depot for Homes Generic Audit Question Set

This is the standard question set for use with Energy Depot 4.x for Homes.

General Information

1. What type of home do you have?
 Single family detached
 Townhouse/condominium (End Unit)
 Townhouse/condominium (Non-End Unit)
 Apartment/duplex (End Unit)
 Apartment/duplex (Non-End Unit)
 Manufactured/mobile home

2. What is the approximate square footage of your home? *(Do not include areas that are not heated or cooled, such as garages, attic areas, unfinished basements, etc.)*

<input type="checkbox"/> Less than 1000 sq. ft.	<input type="checkbox"/> 3,000 – 3,499 sq. ft.
<input type="checkbox"/> 1,000 – 1,499 sq. ft.	<input type="checkbox"/> 3,500 – 3,999 sq. ft.
<input type="checkbox"/> 1,500 – 1,999 sq. ft.	<input type="checkbox"/> 4,000 – 5,000 sq. ft.
<input type="checkbox"/> 2,000 – 2,499 sq. ft.	<input type="checkbox"/> Greater than 5,000 sq. ft.
<input type="checkbox"/> 2,500 – 2,999 sq. ft.	

3. How many floors/stories is your home? *(Do not include areas that are not heated or cooled, such as garages, attic areas, unfinished basements, etc.)*

<input type="checkbox"/> 1	<input type="checkbox"/> 1.5
<input type="checkbox"/> 2	<input type="checkbox"/> 2.5
<input type="checkbox"/> 3	

4. What is the average ceiling height in your home? *(If you have vaulted or "cathedral" ceilings, pick the category that best represents the average ceiling height.)*
 Standard (8')
 High (10')
 Very High (12')

5. What year was your home built?
 before 1950
 1950 – 1959
 1960 – 1969
 1970 – 1979
 1980 – 1989
 1980 – 1989
 1990 – 1994
 after 1994

6. Including yourself, how many people live in the home on a full-time basis?
 Adults (0-10)
 Children(0-10)

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Structural Information

1. On what type of foundation is your home built? *(If more than one type, indicate approximate percent of each 25%, 50%, 75%, 100%) (The total must equal 100%).*
 % Basement *(heated/cooled)*
 % Basement *(not heated/cooled)*
 % Crawlspace
 % Slab on grade

2. Are your floors insulated?
 Yes No Unknown

3. If you have a heated basement, are the basement walls insulated?
 Yes No Unknown

4. Are your exterior walls insulated?
 Yes No Unknown

5. How much insulation do you have in your attic or ceiling?
 Poor *(0" to 3" of insulation)*
 Fair *(more than 3" to 6" of insulation)*
 Good *(more than 6" to 9" of insulation)*
 Excellent *(more than 9" of insulation)*
 Unknown

6. Please complete the following information about your windows and glass doors *(Do not count windows in areas like garages that are not heated or cooled.):*

Size	Number	Type*
Small (8-10 sq. ft.)		
Medium (11-15 sq. ft.)		
Large (16-20 sq. ft.)		
X-large (over 20 sq. ft.)		
Sliding glass or French door		

* Choices should include:

- 1 - Single pane
- 2 - Single pane with storm
- 3 - Double pane
- 4 - Tinted or Reflective Glass

7. How many exterior doors do you have? *(Do not count doors between unheated/uncooled areas and the outside, or glass doors entered in the section on windows.)* _____

8. What is the condition of the caulking and weather-stripping on your windows and exterior doors?
 Poor
 Average
 Good

9. How would you describe your home in terms of air leakage/drafts?
 Very leaky
 Average
 Very tight

Home Heating

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1. What type is your main heating system?
 - Electric furnace (or electric "strip heat")
 - Electric heat pump
 - Electric baseboard or wall heaters
 - Electric thermal storage system
 - Electric ceiling cable
 - Gas furnace (forced air)
 - Gas furnace (forced air) with pilot
 - Gas boiler (hot water/steam pipes)
 - Gas space heater (floor or wall units)
 - Gas heat pump
 - Propane/LP gas furnace
 - Propane/LP furnace with pilot
 - Propane/LP boiler (hot water/steam pipes)
 - Propane/LP space heater (floor/wall unit)
 - Oil Furnace
 - Oil Boiler (hot water/steam pipes)
 - Geothermal heat pump
 - Add-On Heat Pump with gas Furnace
 - Add-On Heat Pump with Oil Furnace
 - Other
 - None

2. What year was your main heating system installed?
 - before 1980
 - 1980 – 1984
 - 1984 – 1989
 - 1990 - 1994
 - 1995 or newer

3. If you have a system that uses ducts to distribute the heat, where are the majority of the ducts located?
 - Attic/Garage
 - Crawlspace/Unheated Basement
 - Heated Basement
 - Within the living space

4. If the ducts are not within the living space, are they insulated?
 Yes No

5. At what temperature do you normally set your thermostat for heating? _____

6. If you set your thermostat back at night or while out of the house, to what temperature do you set it back? _____
On average, how many hours per day do you set back your thermostat? _____

7. Do you have a programmable or clock thermostat?
 Yes No

8. Percent of home heated by main heating system? _____

Home Heating - Secondary

9. What type is your secondary heating system?
 - Electric furnace (or electric "strip heat")
 - Electric heat pump)
 - Electric baseboard or wall heaters

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- Electric thermal storage system
 - Electric ceiling cable
 - Gas furnace (forced air)
 - Gas furnace (forced air) with pilot
 - Gas boiler (hot water/steam pipes)
 - Gas space heater (floor or wall units)
 - Gas heat pump
 - Propane/LP gas furnace
 - Propane/LP furnace with pilot
 - Propane/LP boiler (hot water/steam pipes)
 - Propane/LP space heater (floor/wall unit)
 - Oil Furnace
 - Oil Boiler (hot water/steam pipes)
 - Geothermal heat pump
 - Add-On Heat Pump with gas Furnace
 - Add-On Heat Pump with Oil Furnace
 - Other
 - None
10. What year was your secondary heating system installed?
- before 1980
 - 1980 – 1984
 - 1984 – 1989
 - 1990 - 1994
 - 1995 or newer
11. If you have a secondary system that uses ducts to distribute the heat, where are the majority of the ducts located?
- Attic/Garage
 - Crawlspace/Unheated Basement
 - Heated Basement
 - Within the living space
12. If the ducts are not within the living space, are they insulated?
- Yes No
13. At what temperature do you normally set your secondary heating system thermostat for heating? _____
14. If you set your thermostat back at night or while out of the house, to what temperature do you set it back? _____
For how many hours a day on average? _____
15. Do your secondary heating system have a programmable or clock thermostat?
- Yes No
16. Estimate the percent of home heated by secondary heating system. _____

Air Conditioning

1. What type is your main cooling system?
- Central electric A/C
 - Electric Heat pump
 - Electric window or wall units
 - Gas heat pump
 - Central gas AC

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- Geothermal heat pump
 - Evaporative or "swamp" cooler
 - Other
 - None
2. What year was your main cooling system installed?
- before 1980
 - 1980 – 1984
 - 1984 – 1989
 - 1990 - 1994
 - 1995 or newer
3. At what temperature do you normally set your thermostat for cooling? _____
4. If you set your thermostat up at night or while out of the house, to what temperature do you set it? _____
How many hours per day set up? _____
5. Estimate the percent of home cooled by the main system _____

Secondary Cooling

6. What type is your secondary cooling system?
- Central electric A/C
 - Electric Heat pump
 - Electric window or wall units
 - Gas heat pump
 - Central gas AC
 - geothermal heat pump
 - Evaporative or "swamp" cooler
 - Other
 - None
7. What year was your secondary cooling system installed?
- before 1980
 - 1980 – 1984
 - 1984 – 1989
 - 1990 - 1994
 - 1995 or newer
8. At what temperature do you normally set your thermostat for cooling? _____
9. If you set your thermostat up at night or while out of the house, to what temperature do you set it? _____
How many hours per day set up? _____
10. Estimate the percent of home cooled by the secondary cooling system _____

Water Heating

1. Please complete the following information about your water heater(s):

	Water Heater #1	Water Heater #2

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Type **		
Tank size (gallons) Small (< 30 gal.) Medium (30-49 gal.) Large (50-69 gal.) Xlarge (> 70 gal.)		
In heated/cooled area? (Y/N)		
Year installed: Before 1970 1970-1979 1980-1989 1990-1995 1996-later		
Thermostat setting (<i>Warm, hot, very hot</i>)		
High-efficiency or with insulation wrap installed? (Y/N)		

** Choices include *electric, gas, propane, fuel oil, heat pump, heat recovery, solar, other, and none.*

2. Approximately how many showers are taken each week in your home? _____
3. What is the average length of each shower? _____
4. How many baths are taken per week? _____
5. Do you have low-flow showerheads or have new showerheads been installed since 1996?
 Yes No Unknown

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Refrigerators/Freezers

1. Please complete the following information on your refrigerators and any stand-alone freezers. (*Do not count the freezer compartment in your refrigerator.*)

	Refrigerator #1	Refrigerator #2	Freezer #1	Freezer #2
Size (<i>Small, medium, large</i>)				
Type Upright Chest	N/A	N/A	____ U ____ C	____ U ____ C
Defrost Type	____ Manual ____ Frost-Free	____ Manual ____ Frost-Free	____ Manual ____ Automatic	____ Manual ____ Automatic
Gasket condition (<i>Good, fair, poor</i>)				
Year manufactured *				

* Choices include: *Before 1979, 1980-1984, 1985-1989, 1990 and later*

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Lighting

- Please complete the following information about the lights in your home.
Please note that when you are asked the 'Number of bulbs', don't forget to count each bulb in every fixture.

INDOOR LIGHTING		
Type of Lighting	Number of bulbs	Hours per day
Small incandescent* (< 40 Watts)		
Medium incandescent (40 - 75 Watts)		
Large incandescent (> 75 Watts)		
Compact fluorescent		
Tube-type fluorescent		
Halogen Torche Bulbs		

* Incandescent lights are the standard "bulb" shaped lights used in most homes

OUTDOOR LIGHTING			
Type of Lighting	Number of Bulbs	Control Type*	Hours per day
Outdoor security/flood lights - large (Less than 150 Watts)			
Outdoor security/flood lights - large (More than 150 Watts)			

* Options for control type are: Manually, Timer, Photocell, Motion sensor

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Kitchen Appliances

1. Approximately how many loads per week do you run in your dishwasher? _____
2. Approximately how many times per week do you hand wash your dishes? _____
3. What type of energy does your range/oven use?
 Electric
 Gas with pilot light
 Gas without pilot light
 Propane with pilot
 Propane without pilot
 Other
4. Approximately how many burner-minutes per day do you use your range? _____
(*Example: 2 burners for 15 minutes per day = 30 burner-minutes per day*)
5. Approximately how many hours per week do you use your oven? _____
6. Do you have a microwave oven?
 Yes
 No
7. If yes, then approximately how many minutes per day do you use your microwave? _____

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Laundry

1. What type of clothes washer do you own?
 None
 Top-Loading
 Front-Loading

2. Approximately how many loads per **week** do you run in your clothes washer? _____

3. What water temperature do you usually wash your clothes in?
 Cold
 Warm
 Hot

4. Does your clothes washer have a "low water" setting for small loads? _____

If so, how many loads per week use this setting? _____

5. Approximately how many loads per **week** do you run in your clothes dryer? _____

6. What type of energy or fuel does your clothes dryer use?
 Electric
 Gas with pilot
 Gas without pilot
 Propane with pilot
 Propane without pilot
 None

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Pools/Spas

1. Do you have a swimming pool with a filter?
 Yes No

2. What is the size of the filter pump?
 Small
 Medium
 Large

3. If your pool is heated, what type of heater is it?
 Electric Solar w/electric back-up
 Electric Heat Pump Solar w/gas back-up
 Gas Solar only
 Propane

4. If heated by electric or gas, what size is the heater? (*Estimate based on size of pool.*)
 _____ (small, medium, large)

5. Approximately how many hours per week do you run the filter and heater in each season?

Season	Heater Hours/Week	Filter Hours/Week
Spring		
Summer		
Fall		
Winter		

5. Do you have a spa or hot tub?
 Yes No

7. If so, what type of heater does it have?
 Electric
 Gas
 Propane or LP Gas

8. What size is the hot tub/spa heater?
 Small
 Medium
 Large

- **Help text explains Gas and Electric heater sizes

9. Approximately how many hours per week, on average, do you use your spa or hot tub?

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Waterbeds

1. How many heated waterbeds do you have of each size listed below?

____ Single/twin
____ Full/Queen/King

Typically covered? Y/N
Typically covered? Y/N

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Small Appliances

1. Please indicate the number of each of the following appliances that are used on a regular basis.

<input type="checkbox"/> Hair dryer	<input type="checkbox"/> Clock radio
<input type="checkbox"/> Ceiling fan	<input type="checkbox"/> Curling iron
<input type="checkbox"/> Toaster oven	<input type="checkbox"/> Slow cooker
<input type="checkbox"/> Coffee maker	<input type="checkbox"/> Electric fry pan
<input type="checkbox"/> Iron	<input type="checkbox"/> Vacuum Cleaners
<input type="checkbox"/> Answering machine	<input type="checkbox"/> Video games
<input type="checkbox"/> Misc. Other	

2. If you use any of the following, indicate the average number of hours per week they are used:

<input type="checkbox"/> Color TV	<input type="checkbox"/> B&W TV
<input type="checkbox"/> VCR/DVD	<input type="checkbox"/> Stereo
<input type="checkbox"/> Well Pump	<input type="checkbox"/> Portable Space Heater
<input type="checkbox"/> Aquarium	<input type="checkbox"/> Humidifier
<input type="checkbox"/> Dehumidifier	<input type="checkbox"/> Power Saw
<input type="checkbox"/> Drill Press	

Home Office

1. How many of each of the following equipment do you use in your home?

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- Computers
- Printers
- Scanners

2. On average, how many hours a week do you actively use your computer?

3. Do you leave your computer powered on when not in use? Y/N

Scanner

4. How many pages per week do you scan? _____
Do you leave your scanner on when not using it? Y/N

5 Printer 1

- Type of printer:
- Inkjet small (6ppm)
 - Inkjet medium (12 ppm)
 - Inkjet large (17 ppm)
 - Laser jet small (12 ppm)
 - Laser jet medium (15 ppm)
 - Laser jet large (19ppm)
 - Multi-function small (5 ppm)
 - Multi-function medium (12 ppm)
 - Multi-function large (19 ppm)

On average, how many Pages do you output per week? _____

Do you leave your printer on? Y/N

6 Printer 2

- Type of printer:
- Inkjet small (6 ppm)
 - Inkjet medium (12 ppm)
 - Inkjet large (17 ppm)
 - Laser jet small (12 ppm)
 - Laser jet medium (15 ppm)
 - Laser jet large (19ppm)
 - Multi-function small (5 ppm)
 - Multi-function medium (12 ppm)
 - Multi-function large (19 ppm)

On average, how many pages do you output per week? _____

Do you leave your printer on? Y/N

Seasonal or Extra Energy Items

1. Please provide the following information on any other significant energy-using appliances or equipment not previously addressed in this questionnaire.

Fuel Type	Units	Size	Hours/week	Season(s)*
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<i>(Gas, electric)</i>	<i>(kW, HP, BTU/hr)</i>			

*Choices include: *Winter, spring, summer, fall, winter & fall, spring & summer, all year*