Norksheet #1: Characteristics, Energy Sources and Equipment <i>(Buildings)</i>
Commercial Buildings Energy Consumption Survey Sponsored by the U.S Energy Information Administration Conducted by NORC

The following are *some* of the topics that will be discussed in the upcoming interview. Having this worksheet completed and available will facilitate and shorten the interview.

Thinking of calendar year 2007, please provide the following for the building listed above.

Box 1. Gross/Total Square Footage of Building Source (Both finished and unfinished, including basements, indoor parking levels, hallways, lobbies, stairways, and elevator shafts.) Year of Construction of Building (If there have been major additions, provide the year the largest portion of the building was constructed.)	Box 2. Number of Businesses or Organizations in Building	Box 3. Heating Energy Sources Which energy sources, if any, were used for heating during 2007? Check all that apply: Electricity Natural Gas Fuel Oil/Diesel/Kerosene Bottled Gas/LPG/Propane District Steam District Hot Water Other (specify) Which of these was the main energy source for heating? (Please circle the energy source used to heat most of the square footage in the building most of the time.)
Box 4. Heating Equipment Check all that apply: Furnaces that heat air directly Packaged central units (roof mounted) Boilers inside the building to produce steam or hot water District steam or hot water piped into the building from outside the building Heat pumps for heating Individual space heaters Some other type	Box 5. Type of Heat Pump Used for Heating (if applicable) Check all that apply: Heat Pump System: Packaged unit Residential type split system Individual room heat pump Source Type: Air source Ground source or ground water Water loop	Box 6. Air Conditioning Energy Sources Which energy sources, if any, were used for air conditioning during 2007? Check all that apply: □ Electricity □ Natural Gas □ District Chilled Water □ Other (specify) Go to Box 7 on the back of this worksheet

Box 7. Cooling Equipment Check all that apply: Residential-type central air conditioners, other than heat pumps Packaged air conditioning units, other than heat pumps Central chillers inside the building that chill water for air conditioning District chilled water piped into the building from outside the building Heat pumps for cooling Individual room air conditioners other than heat pumps "Swamp coolers" or evaporative coolers Some other type Box 10. Water Heating Energy Sources. Which energy sources, if any, were used for water heating during 2007? Check all that apply: Electricity Natural Gas Fuel Oil/Diesel/Kerosene Bottled Gas/LPG/Propane Other (specify)	Box 8. Type of Heat Pump Used for Cooling (if applicable) Check all that apply: Heat Pump System: Packaged unit Residential type split system Individual room heat pump Source Type: Air source Ground source or ground water Water loop Box 11. Cooking Energy Sources Which energy sources, if any, were used for cooking during 2007? Check all that apply: Electricity Natural Gas Fuel Oil/Diesel/Kerosene Bottled Gas/LPG/Propane Other (specify)	Box 9. Ventilation and Distribution Equipment for Heating and Cooling Indicate all that apply: B—heating and cooling H—heating only C—cooling only No mechanical ventilation (outside air) equipment Central air-handling unit(s) with outside air system and constant air volume (CAV) control Central air-handling unit(s) with outside air system and variable air volume (VAV) control Packaged unit(s) with outside air damper Through-the-wall packaged units Dedicated 100% outside air system Hot water/steam radiators Fan-coil units Stand-alone exhaust fan (relief blower) Ceiling fan(s)
Box 12. Sources for On-Site Electricity Generation Which energy sources, if any, were used for on-site electricity generation during 2007? Check all that apply: Natural Gas Fuel Oil/ Diesel/ Kerosene Bottled Gas/ LPG/Propane Wood Coal Solar Other (specify)	Box 13. Office Equipment Check all that apply and indicate number used in the building during 2007: Number: Computers Laptop computers Dedicated servers Printers Photocopiers Cash registers	Box 14. Lighting Equipment Was any of the square footage in this building lit by the following during 2007? Check all that apply: Fluorescent lighting other than compact fluorescent light bulbs Compact fluorescent bulbs Incandescent bulbs, other than halogen bulbs Halogen bulbs High intensity discharge (HID) lights, such as high pressure sodium, metal halide, or mercury vapor LED (light emitting diode) lights Other (specify)