

Worksheet #2:

Energy Amounts Used and Dollars Spent (*Buildings*)

Commercial Buildings Energy Consumption Survey
Sponsored by the U.S. Energy Information Administration
Conducted by NORC

<p>Instructions</p> <p>For electricity and natural gas, if used in this building, provide the following:</p> <ul style="list-style-type: none"> • Account number: If energy source is not used, write NA in box. • Month: In column A, specify the months that electricity and/or natural gas were used for 2007. Ideally this will be January, 2007 through December, 2007. Otherwise provide the most recent 12 months available. • Amount of energy used: In column B, specify the amount of energy used in each month, across all of the building's accounts, for 2007. • Cost of energy per month: In column C, specify the dollar amount billed, across all of the building's accounts for the 2007 twelve months/billing cycle. Include state and local taxes, fuel adjustment charges, demand charges, and distribution charges. Exclude merchandise, repair charges, and service charges (hookup or disconnect fees, late payment charges). • Total: In line D, provide totals for columns B and C, across all of the building's accounts, for the twelve months. Some buildings have several accounts/tenants for each energy source—include all of them in the energy total. 	<p>Box 1. Electricity</p> <p align="center">Account Number <input style="width:150px; height:20px;" type="text"/></p>	<p>Box 2. Natural Gas</p> <p align="center">Account Number <input style="width:150px; height:20px;" type="text"/></p>				
	<p>Square footage covered under this electricity account:</p> <p><input type="checkbox"/> This entire building only</p> <p><input type="checkbox"/> This building plus other building(s)</p> <p><input type="checkbox"/> Only part of this building</p>	<p>Specify amount of additional or excluded square footage:</p> <p align="center"><input style="width:100px; height:20px;" type="text"/></p>	<p>Square footage covered under this natural gas account:</p> <p><input type="checkbox"/> This entire building only</p> <p><input type="checkbox"/> This building plus other building(s)</p> <p><input type="checkbox"/> Only part of this building</p>	<p>Specify amount of additional or excluded square footage:</p> <p align="center"><input style="width:100px; height:20px;" type="text"/></p>		
	<p>A. Month (and year if not 2007)</p>	<p>B. Amount of electricity used per month (Kilowatt-hours)</p>	<p>C. Amount billed/dollars spent per month (Dollars)</p>	<p>A. Month (and year if not 2007)</p>	<p>B. Amount of natural gas used per month—Check the units used: <input type="checkbox"/> Cubic feet (cf) <input type="checkbox"/> Dekatherms <input type="checkbox"/> 100 cu.ft. (Ccf) <input type="checkbox"/> Therms <input type="checkbox"/> 1,000 cu.ft. (Mcf)</p>	<p>C. Amount billed/dollars spent per month (Dollars)</p>
D. Total			D. Total			
Go to Box 2			Go to Box 3 on the back of this worksheet			

Instructions: For totals, include all accounts for each energy source for which you are responsible, for calendar year 2007. For amount billed, include state and local taxes, but exclude merchandise, repair charges, and service charges (hookup or disconnect fees, late payment fees).

<p>Box 3. Fuel Oil/Diesel/Kerosene Account Number <input type="text"/></p>	<p>Box 4. District Steam Account Number <input type="text"/></p>	<p>Box 5. District Hot Water Account Number <input type="text"/></p>
<p>Total fuel oil/diesel/kerosene purchased: across all accounts, for 2007</p> <p><input type="text"/></p> <p>Gallons</p> <p>If measured or metered, what is the amount of fuel oil/diesel/kerosene actually consumed in calendar year 2007?</p> <p><input type="text"/></p> <p>Gallons</p>	<p>Total district steam used: across all accounts, for 2007</p> <p><input type="text"/></p> <p>Check the units used:</p> <p><input type="checkbox"/> Thousand pounds</p> <p><input type="checkbox"/> Pounds</p> <p><input type="checkbox"/> Million Btu</p>	<p>Total district hot water used: across all accounts, for 2007</p> <p><input type="text"/></p> <p>Million Btu</p>
<p>Total amount billed/dollars spent: across all accounts, for 2007</p> <p>\$ <input type="text"/></p>	<p>Total amount billed/dollars spent: across all accounts, for 2007</p> <p>\$ <input type="text"/></p>	<p>Total amount billed/dollars spent: across all accounts, for 2007</p> <p>\$ <input type="text"/></p>
<p>Beginning and ending dates: If the building had multiple accounts with different beginning and ending dates, provide the dates for the largest account.</p> <p><input type="text"/> / <input type="text"/> / <input type="text"/> to <input type="text"/> / <input type="text"/> / <input type="text"/></p> <p>month/day/year month/day/year</p> <p>Go to Box 4</p>	<p>Beginning and ending dates: If the building had multiple accounts with different beginning and ending dates, provide the dates for the largest account.</p> <p><input type="text"/> / <input type="text"/> / <input type="text"/> to <input type="text"/> / <input type="text"/> / <input type="text"/></p> <p>month/day/year month/day/year</p> <p>Go to Box 5</p>	<p>Beginning and ending dates: If the building had multiple accounts with different beginning and ending dates, provide the dates for the largest account.</p> <p><input type="text"/> / <input type="text"/> / <input type="text"/> to <input type="text"/> / <input type="text"/> / <input type="text"/></p> <p>month/day/year month/day/year</p> <p>Go to Box 6</p>

Instructions: For totals, include all accounts for domestic water supply for which you are responsible, for calendar year 2007. For amount billed, include state and local taxes, but exclude merchandise, repair charges, and service charges (hookup or disconnect fees, late payment fees).

Water Use in Commercial Buildings

Why are there water questions in an energy survey? Water use and energy are connected in many ways. Energy is used to extract, purify, and pump water for domestic and other uses. In addition, energy is used to treat and dispose of wastewater.

The Environmental Protection Agency (EPA) estimates that billions of dollars will be required for new water supply and wastewater treatment facilities and upgrades to existing facilities over the next 20 years. Getting better information on how much water is used by commercial buildings is an important first step towards understanding water use and its relationship to energy use in the commercial sector.

With the following questions we want to determine how much water was used in this building. Domestic water is generally supplied to commercial buildings by a municipal water system that collects, purifies, transports, and distributes water via a pipeline system. In some cases, the building may have a private or on-site source, such as a water well that may be either the sole source of water or a supplement to the municipal supply.

Box 6. Domestic Water Supply

Total water used: across all accounts (municipal and other), for calendar year 2007

Million Gallons

How much of this water was used outside the building?

Million Gallons

Method of measurement:

- Metered
- Estimated
- Both
- Other

If a central chiller is present within the building, what is the amount of water used by the cooling tower, if it is metered:

Million Gallons

Total amount billed/dollars spent: across all accounts for 2007

\$

Beginning and ending dates: If the building had multiple accounts with different beginning and ending dates, provide the dates for the largest account.

month/day/year

to

month/day/year

Thank you!

**The interviewer will collect
this worksheet.**