



## Building Simulation Survey - eQUEST Inputs

### 0. Building Specifics

a. Name .....	
b. Address .....	
c. City .....	

### 1. Building Shape and Orientation

a. Building Shape .....		
b. Building Orientation .....		
c. Building Length .....		feet
d. Building Width .....		feet
e. Square Footage .....		sf
f. Floors Above Grade .....		floors
g. Applicable Floors .....		floors
h. Floor-to-Floor Height .....		feet
i. Floor-to-Ceiling Height .....		feet
j. (Don't forget to specify custom rates) .....	LEAVE BLANK	

### 2. Wall/Roof Construction

a. Wall Construction Type .....	
b. Wall Insulation Type .....	
c. Roof Construction .....	
d. Roof Insulation .....	

### 3. Glass Info.

a. Frame Type/Width .....		
b. Glass Parameters .....		
c. <b>Current U-Value / R<sub>0</sub>B U-Value</b> (platinum plus II) .....	<b>1.03</b>	<b>0.15</b>
d. <b>Current SHGC / R<sub>0</sub>B SHGC</b> (platinum plus II) .....	<b>0.97</b>	<b>0.35</b>
e. <b>Current Visible Transmittance / R<sub>0</sub>B VT</b> (platinum plus II) .....	<b>0.89</b>	<b>0.567</b>

### 4. Window Wall Ratio/Percent Glass

a. Glass Height .....		feet
b. Glass Width .....		feet

### 5. Occupied Loads

a. Lighting w/Sq Ft Offices .....		W/sf
b. Plug Load w/Sq Ft Offices .....		W/sf

### 6. Unoccupied Loads

a. Lighting w/Sq Ft Offices .....		W/sf
b. Plug Load w/Sq Ft Offices .....		W/sf

### 7. What Type of Cooling Does the Building Provide

Select the Building System Details (SD19)

a. Cooling Type	Air Cooled Chiller .....		(yes or no)
	Steam Chiller .....		(yes or no)
	Water Cooled Chiller .....		(yes or no)
	No Chiller (Rooftop) .....		(yes or no)
b. System Type	Single Zone .....		(yes or no)
	VAV .....		(yes or no)
c. Select Heating Type	Hydronic (Steam, Hot Water) .....		(yes or no)
	Gas Fired .....		(yes or no)
	Electric Heat .....		(yes or no)
d. If Chilled Water	Number of Chillers .....		
	Does it Have Chilled Water Reset ..		(yes or no)
e. Existing Cooling Efficiency (Kw/ton, EER or COP) .....			
	Heating Efficiency .....		
	Design Fan CFM (ie. 1 cfm/sf) .....		cfm/ft2
f. Minimum Design Air Flow			cfm/ft2
g. Building Occupied Thermostat Setpoints (heat/cool)F .....			
h. Building Unoccupied Thermostat Setpoints (heat/cool)F ..		<b>65</b>	<b>88</b>
i. Economizer Type or No Economizer .....			F
j. Average \$/kWh (summer / winter) .....			/kWh
k. Average \$/therm (summer / winter) .....			/therm

## Annual Utility Totals

month	year	electric	gas	steam	total
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
<b>Total</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

**Please List Name(s) of Utility Companies Providing Service**

**Gas:** \_\_\_\_\_

**Steam:** \_\_\_\_\_

**Electric:** \_\_\_\_\_

**Other:** \_\_\_\_\_