

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	

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
	Minimum Design Air Flow		cfm/ft2
g. Building Occupied Thermostat Setpoints (heat / cool)F			
h. Building Unoccupied Thermostat Setpoints (heat / cool)F			
i. Economizer Type or No Economizer			F
j. Average \$/kWh (summer / winter)			/kWh
k. Average \$/therm (summer / winter)			/therm

8. Building Usage

		Mon - Fri	Sat & Sun
a. Occupancy	State in %		
b. Lighting Load	State in %		
c. Equipment Load	State in %		
d. Fan Schedule	State in %		

9. List Name(s) of Utility Companies Providing Service - COPY OF ALL UTILITY BILLS

Gas: _____

Steam: _____

Electric: _____

Other: _____