

Student Worksheet

COST OF ELECTRICITY PROJECT

Your goal is to find the overall cost of electricity for each of the following appliances for one month in your home. You can research the power requirement for each appliance and then estimate how many hours it's turned on each month in your home. Take your time and really consider how long each appliance is used in the month you choose. You can also research the cost for electricity in your area or use the same rate we have used thus far: \$0.13/KW·hr.

<i>Appliance</i>	<i>Power (KW)</i>	<i>Hours used in one month</i>	<i>Cost in one month</i>
Air Conditioning			
Heater			
Water Heater			
Refrigerator			
Dishwasher			
Oven			
Lighting			
Television			
Computers			
Dryer/Washing Machine			

Answer the following questions:

1) Which appliance cost surprised you the most? Why?

2) What could you personally do to reduce the amount of electricity your household uses?

3) Research on-peak and off-peak energy consumption. Give a brief description.

4) What is the off-peak time in your area? Explain how this applies to you and your family.

