

Presentation Rubric

Group Members _____

Appliances _____

Visual Aides

Four pictures on separate papers
Energy source identified for each picture

Presentation

Content

Cost of product
Energy efficiency rating
Yearly cost to run product
Florida Power & Light rebate
Savings yield in one year

Information

Accurate and reliable
Calculations are correct
Explanation of energy conversion correct

Delivery

Eye contact with audience
Clearly spoken
Audible throughout room
Well-delivered
Evidence of practice

FCAT Reading Assessment

Clothes Washer
Capacity: Standard

ENERGYGUIDE

Estimates on the scale are based on national average electric rate of 8.24¢ per kilowatt hour and a natural gas rate of 60.54¢ per therm.

Only standard size washers are used in the scale.

Electric Water Heater

Model with lowest energy cost **\$22** Model with highest energy cost **\$150**

\$85

THIS MODEL

Estimated yearly energy cost

Gas Water Heater

Model with lowest energy cost **\$10** Model with highest energy cost **\$55**

\$34

THIS MODEL

Estimated yearly energy cost

Your cost will vary depending on your local energy rate and how you use the product. This energy cost is based on U.S. Government standard tests.

How much will this model cost you to run yearly?

with an electric water heater

Loads of clothes per week	Estimated yearly \$ cost shown below				
	2	4	6	8	12
Cost per kilowatt hour 2¢	\$6	\$11	\$16	\$21	
4¢	\$11	\$21	\$32	\$42	
6¢	\$16	\$32	\$47	\$63	
8¢	\$21	\$42	\$63	\$83	
10¢	\$26	\$52	\$78	\$104	
12¢	\$32	\$63	\$94	\$125	

with a gas water heater

Loads of clothes per week	Estimated yearly \$ cost shown below				
	2	4	6	8	12
Cost per therm 10¢ (100 cubic feet)	\$4	\$7	\$10	\$13	\$19
20¢	\$5	\$9	\$13	\$17	\$25
30¢	\$6	\$11	\$16	\$21	\$32
40¢	\$7	\$13	\$19	\$26	\$38
50¢	\$8	\$15	\$22	\$30	\$44
60¢	\$9	\$17	\$26	\$34	\$51

Ask your salesperson or local utility for the energy rate (cost per kilowatt hour or therm) in your area, and for estimated costs if you have a propane or oil water heater.

READ
THINK
EXPLAIN

The yearly energy cost of running this model clothes washer appears to be much cheaper with a gas water heater. What factors must be considered in converting from an electric water heater to a gas water heater to benefit from the energy savings?

Compare the yearly cost of washing eight loads of laundry with an electric water heater at a cost of 10¢ per kilowatt hour to the cost of washing eight loads of laundry with a gas water heater at a cost of 60¢ per therm.