Is YOUR fundraising raising funds?

Have you thought about the "*hidden*" costs of generating a profit?

Do you know <u>your school's</u> electrical rate and costs?

If you are in a PG&E served area, please utilize this resource to see if vending machines are worth the cost!

A-10 and E-19 are the school rates codes for PG&E, yet ALL energy companies have the same basic rates due ALL being regulated by the Public Utilities Commission who sets their rates.

Prepared by Susan Klucker, Santa Barbara County Public Health, Gold Coast Nutrition Network Region, with review support from PG&E
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ENERGY AUDIT
WORKSHEET
For California School Beverage Vending Machines

1) PG&E Customer Service # 1(800) 743-5000
   Choose option: “Calling about something else”

2) Request rate code, also known as tariff name, based on school site address. _____

   Note Rate #: A-10 and E-19 are the two primary rates for California Schools served by PG&E..

3) Go to www.pge.com and click on Tariff Book.

4) Scroll through table of Electric Rate Schedules and locate rate you were given under Tariff name column OR you may use these for quick reference as most commercial account rates for California schools.

   A-10 Rate : $0.13707 (per kWh)
   E-19 Rate : $0.14728 (per kWh)

5) Use worksheet to estimate an Energy Analysis for your school sites. Additional letters after A-10 and E-10 will NOT change your estimate significantly.

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Vending Machine Energy Analysis

School Name : _____

Site Address : _____

_____

Electrical Rate Code/Tariff Name: _____

Average vending machine wattage is 750 watts. Equation below converts watts to kWH for a monthly rate.The Duty Cycle factor(.50) accounts for the vending units' internal thermostats to maintain temperatures of 35 to 36 degrees in varying locations.

$\frac{750 \text{ watts}}{1000}$ X 720 Hrs/Mo. X .50 Duty Cycle = 270 kWh/Mo.

For **A-10** school sites use equation below –

Rates effective June 2005: $0.13707 (per kWh)

270kWh/Mo. X $.137 per Kwh = $36.99/machine/Mo.

# of machines on your campus site X Rate Above

↓

_____ X $36.99 = $_____ Monthly Total

$_____ X 12 mos. = $ _____ Annual Cost

↑

Annual Electrical cost for 1 school site for beverage vending machines.

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Vending Machine Energy Analysis

School Name : _____

Site Address : _____

_____

Electrical Rate Code/Tariff Name: _____

Average vending machine wattage is 750 watts. Equation below converts watts to kWH for a monthly rate.The Duty Cycle factor(.50) accounts for the vending units' internal thermostats to maintain temperatures of 35 to 36 degrees in varying locations.

$\frac{750 \text{ watts}}{1000}$ X 720 Hrs/Mo. X .50 Duty Cycle = 270 kWh/Mo.

For **E-19** school sites use equation below –
Rates effective June 2005: $0.14728 (per kWh)

270kWh/Mo. X $.147 per Kwh = $39.69/machine/Mo.

# of machines on your campus site X Rate Above

↓

_____ X $39.69 = $_____ Monthly Total

$_____ X 12 mos. = $ _____ Annual Cost

↑

Annual Electrical cost for 1 school site for beverage vending machines.

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