



RAP

Energy solutions
for a changing world

Some Basic Facts about Electricity

A Quiz

Presented by John Shenot

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The Regulatory Assistance Project

50 State Street, Suite 3
Montpelier, VT 05602

Phone: 802-223-8199
web: www.raponline.org

Ignorance = Bliss?

- The average American spends 164 minutes per day watching television. How much time do we spend studying our utility bills?
 - a) 6 minutes/year
 - b) 18 minutes/year
 - c) 36 minutes/year
 - d) 164 minutes/year

How Much Electricity Do We Use?

- How much electricity does the average United States residential customer use?
 - a) 521 kWh/month
 - b) 587 kWh/month
 - c) 920 kWh/month
 - d) 1120 kWh/month
 - e) 1302 kWh/month

Is it Green?

- Of all the electricity generated in Idaho in 2009, what portion came from renewable resources (including hydro)?
 - a) 0.9%
 - b) 6.2%
 - c) 11.0%
 - d) 26.2%
 - e) 86.8%

What Does Electricity Cost?

- What is the average retail price of electricity for residential customers in the United States?
 - a) 5.83¢/kWh
 - b) 7.31¢/kWh
 - c) 10.12¢/kWh
 - d) 11.20¢/kWh
 - e) 31.04¢/kWh

Meeting Future Demand: Total Average Cost to Generate Electricity at a New Power Plant

Rank them from least to most expensive:

- 1) Solar PV
- 2) Wind
- 3) Energy Efficiency
- 4) Nuclear
- 5) Coal
- 6) Natural Gas CC

Meeting Future Demand: Total Average Cost to Generate Electricity at a New Power Plant

- 1) Energy Efficiency = 5.0¢/kWh
- 2) Natural Gas CC = 6.5¢/kWh
- 3) Coal = 9.5¢/kWh
- 4) Wind = 9.6¢/kWh
- 5) Nuclear = 11.4¢/kWh
- 6) Solar PV = 21.1¢/kWh

About RAP

The Regulatory Assistance Project (RAP) is a global, non-profit team of experts that focuses on the long-term economic and environmental sustainability of the power and natural gas sectors. RAP has deep expertise in regulatory and market policies that:

- Promote economic efficiency
- Protect the environment
- Ensure system reliability
- Allocate system benefits fairly among all consumers

Learn more about RAP at www.raonline.org

Chris James, Senior Associate

cjames@raonline.org

802-498-0725 (VOIP); 617-861-7684 (mobile) (Pacific time)



Global
US
China
EU

The Regulatory Assistance Project

50 State Street, Suite 3
Montpelier, Vermont 05602

phone: 802-223-8199
fax: 802-223-8172

www.raonline.org