

## Twenty-Five Questions

### What Chief Business Officers Need to Know about their Campus' Carbon Emissions

1. Did your CEO sign the American College and University Presidents Climate Commitment? \_\_\_\_\_
2. What is the total CO<sub>2</sub>-equivalent emissions footprint of your campus -- either fixed sources or the sum of fixed+mobile+landfill sources? \_\_\_\_\_ metric tonnes/year.
3. Can you name two other greenhouse gases besides CO<sub>2</sub>? How about all six gases covered by the Presidents Climate Commitment? \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
4. Of the major greenhouse gases, which one has the greatest overall effect on global warming?  
\_\_\_\_\_
5. What is the other protocol, besides the Kyoto Protocol, that regulates atmospheric emissions?  
the \_\_\_\_\_ Protocol
6. Have you taken a project through the entire LEED process, to the point of award? \_\_\_\_\_
7. What percentage of your campus' plan to reduce carbon emissions depends on energy efficiency retrofit projects? \_\_\_\_\_% What percentage depends on future on-site renewable sources? \_\_\_\_\_% On procurement of green or carbon-neutral power? \_\_\_\_\_% On behavioral changes that reduce the campus' carbon footprint? \_\_\_\_\_% On increasing on-campus student residency? \_\_\_\_\_% On procurement of emissions credits? \_\_\_\_\_%
8. What percentage of your institution's student body lives on campus? \_\_\_\_\_%
9. What is the average vehicle ridership (AVR) for your campus? \_\_\_\_\_
10. Does your campus have a combined heat and power plant? \_\_\_\_\_ How large? \_\_\_\_\_ mW Does it include thermal storage? \_\_\_\_\_ How much? \_\_\_\_\_
11. What is the primary fuel source of procured energy for your campus? \_\_\_\_\_
12. Why will it take so long to change the concentration levels of atmospheric greenhouse gases, even if developed economies move quickly toward climate-neutrality? \_\_\_\_\_  
\_\_\_\_\_
13. Does your campus have a green student advocacy group? \_\_\_\_\_ Do you know the leaders' names? \_\_\_\_\_
14. What is the cost increment, as a percentage of project cost, for a LEED Gold building (newly constructed)? \_\_\_\_\_%

15. What do you think is the most promising new technology coming to market that will markedly reduce college and university carbon emissions? \_\_\_\_\_
16. What percentage of your procured power is currently "green," from renewable sources? \_\_\_\_\_%  
What percentage is carbon-neutral? \_\_\_\_\_%
17. What is the current, approximate market price for a tonne of CO<sub>2</sub>-equivalent emissions credit?  
\$ \_\_\_\_\_
18. What type of building is the most intensive energy consumer on your campus? \_\_\_\_\_
19. What is today's average CO<sub>2</sub> concentration in the earth's atmosphere? \_\_\_\_\_ parts/million
20. What is your campus design goal for illumination efficiency for new construction -- for typical labs and offices? \_\_\_\_\_ watts/SF
21. What form of renewable energy generation is most likely to prove feasible on your campus? \_\_\_\_\_  
\_\_\_\_\_
22. Does your campus enforce a policy that requires procurement of Energy Star products whenever available?
23. A metric ton weighs how many pounds? \_\_\_\_\_ lbs.
24. Apart from clean labs and vivaria, what lab building on your campus has the highest airchanges per hour (ACH), and what is the number? \_\_\_\_\_ building, \_\_\_\_\_ ACH.
25. How about the laboratory building with the lowest ACH? \_\_\_\_\_ building, \_\_\_\_\_ ACH.