

QUESTIONS REPORT
for ASHRAE High Performance 2007

1. 1A 016/2D/1-RECALL/CHB/POSITIVE/16///

Installing a direct-contact water heater results in a decrease in

- A. system response time.
- B. part-load efficiency.
- C. project budget.
- D. NO and CO emissions.

REF: ASHRAE Green Guide, pg. 310.

2. 2D 009/1/3-ANALYSIS/CHB/POSITIVE/01///

A typical 10,000 sq. ft. (1,111 sq. m) office building has an hourly cooling load of 220,000 btuh and a supply air quantity of 30,000 cfm. Which of the following is true of this building?

- A. The lighting energy intensity is excessive.
- B. The cfm per ton is within industry standards.
- C. The differential temperature across the HVAC equipment may be too low.
- D. The space is properly modeled.

3. 4A 011/2/2-APPLICATION/CHB/POSITIVE/04///

A PID controller operates a chilled water valve to a coil in an air handler unit. The valve oscillates with a period of about 10 seconds. Which of the following is the MOST likely the problem?

- A. The "P" term is too large.
- B. The "I" term is too large.
- C. The "D" term is too large.
- D. The valve stem is sticking.