

DGS LEED BD&C Certification & Accreditation – Energy & Atmosphere Sample Quiz

Dan Burgoyne Instructor – May 18, 2009

1. Which standards are referenced for the Prescriptive Compliance Paths under EA Prerequisite 2 Minimum Energy Efficiency? (Choose one)
 - A. ____ Energy Policy Act (EPAAct) of 1992
 - B. ____ ASHRAE Standard 62.1-2004
 - C. ____ ASHRAE Advanced Energy Design Guides
 - D. ____ ANSI/ASHRAE/IESNA Standard 90.1-2007, Appendix G
 - E. ____ Advanced Buildings Core Performance Guide

2. Which three of the following are required tasks under EA Credit 3, Enhanced Commissioning? (Choose three)
 - A. ____ have an extended warranty in place for all major equipment
 - B. ____ develop a systems manual
 - C. ____ conduct a review prior to 50% Construction Documents
 - D. ____ have a five-year contract in place with a commissioning authority
 - E. ____ review contractor submittals relative to systems being commissioned

3. How many LEED points are required to attain LEED BD&C Certified? (Select one)
 - A. ____ 20
 - B. ____ 26
 - C. ____ 30
 - D. ____ 40
 - E. ____ 60

4. Which of the following standards describes the structure of a measurement and verification plan? (Choose 1.)
 - A. ____ Center for Resource Solutions' Green-e Product Certification Requirements
 - B. ____ IPMVP Volume III: Concepts and Options for Determining Energy Savings in New Construction
 - C. ____ The Energy Policy Act of 1992
 - D. ____ CIBSE Applications Manual 10

5. Which two of the following requirements refer to EA p3, Fundamental Refrigerant Management? (Choose 2.)
 - A. ____ Zero use of CFC-based refrigerants in new base building HVAC&R systems.
 - B. ____ Select refrigerants with minimal contributions to ozone depletion and global warming potential.
 - C. ____ Do not use refrigerants
 - D. ____ Plan to phase CFCs out of existing HVAC equipment within 5 years.

6. How many points might a Core & Shell project earn for producing 1% of its total building energy cost with on-site renewable energy systems? (Choose 1.)
- A. _____ 0
 - B. _____ 1
 - C. _____ 2
 - D. _____ 3
 - E. _____ 4
7. Commissioning activities should, at a minimum, be completed for which of the following systems in order to fulfill EAp1, Fundamental Commissioning of the Building Energy Systems? (Choose 4.)
- A. _____ Renewable energy systems
 - B. _____ Building envelope
 - C. _____ Domestic hot water systems
 - D. _____ Lighting and daylighting controls
 - E. _____ HVAC&R systems
 - F. _____ Irrigation Controls
8. What is the minimum duration of the post-construction occupancy measurement and verification period required in order to achieve 1 point for EAc5, Measurement & Verification? (Choose 1.)
- A. _____ 3 months
 - B. _____ 6 months
 - C. _____ 1 year
 - D. _____ 18 months
 - E. _____ 2 years
9. How many credits are attainable for new school projects for EAc1, Optimize Energy Performance? (Choose 1.)
- A. _____ 7
 - B. _____ 10
 - C. _____ 15
 - D. _____ 19
 - E. _____ 21
10. Who can qualify to be Commissioning Authority for building projects over 50,000 sq. ft. (Choose 3.)
- A. _____ Owner
 - B. _____ CM at Risk
 - C. _____ Employee of Design Team
 - D. _____ Member of Contractor's team
 - E. _____ Consultant

ANSWERS

1	CE
2	BCE
3	D
4	B
5	AD
6	E
7	ACDE
8	C
9	D
10	ACE