Quiz #5 - LEED Green Associate

**ANSWERS**

GA09 – Pgs. 9-11 & Pgs. 12-30

GA02 – Pgs. 55-57

GBLCC Section 4: Green Building Core Concepts and Application Strategies: Location and Transportation

1. If building occupants can take public transportation, ride bicycles, or walk to the building what environmental impact associated with commuting are they helping to reduce?
2. Greenhouse gas emissions
3. Carbon emissions
4. Loss of greenfields
5. Loss of land due to increased need to develop more roads
6. How does the LEED rating system address project location and design? [Choose three]
7. Location
8. Transportation
9. Community
10. Neighborhood pattern and design
11. Existing infrastructure
12. What design approach can help to limit the amount of land covered by buildings, pavement, or infrastructure and make more efficient use of existing space?
13. Brownfield remediation
14. Infill
15. Sprawl
16. Urbanizing
17. What is the best type of site to build a project on? [Choose two]
18. Brownfield
19. Greenfield
20. Previously developed
21. Previously undeveloped
22. What minimum score must a green vehicle achieve on the American Council for an Energy Efficient Economy (ACEEE) annual vehicle rating guide to qualify for LT Credit: Green Vehicles?
23. 40
24. 45
25. 55
26. 70
27. What strategy can help projects to promote alternatives to single-occupant car commuting and reduce the environmental impact due to parking?
28. Limit parking on the project site
29. Provide an alternative-fuel refueling station on the project site
30. Designate preferred spaces for fuel-efficient vehicles in the parking area
31. Build a parking structure that can accommodate 50% of the total building occupants
32. Which of these services cannot contribute to LT Credit: Surrounding Density and Diverse Uses?
33. Fire Station
34. Church
35. Mini Storage Facility
36. Library
37. Recreation Center Swimming Pool
38. Bowling Alley
39. The Location and Transportation (LT) category rewards projects for decisions about building location in which of these design decisions? [Choose three]
40. Using a compact development approach
41. Providing connection to amenities
42. Providing open space
43. Having access to alternative transportation
44. Restoring the site with native and adaptive vegetation
45. Which of these strategies can help to promote bicycling to work?
46. Access to a nearby bike shop
47. Bike racks placed within ¼-mile of the building and public transit station
48. Provide all employees with a bike lock
49. Bicycling networks
50. What is considered a low target vehicle speed for bicyclists using public streets?
51. 30 mph
52. 15 mph
53. 25 mph
54. 10 mph
55. What must be included when determining the total vehicle parking capacity for a project? [Choose three]
56. New and existing surface parking spaces
57. Motorbike spaces
58. On-street (parallel or pull-in) parking spaces on public rights of way
59. New and existing garage or multilevel parking spaces
60. Any off-street parking spaces outside the project boundary that are available to the building’s users
61. How is preferred parking determined?
62. Preferred parking spaces have the shortest walking distance to the main entrance of the project, including spaces designated for people with disabilities.
63. Preferred parking spaces have the shortest walking distance to the main entrance of the project, exclusive of spaces designated for people with disabilities.
64. Preferred parking spaces have the shortest walking distance any functional entrance of the project, including spaces designated for people with disabilities.
65. Preferred parking spaces have the shortest walking distance any functional entrance of the project, exclusive of spaces designated for people with disabilities.
66. What type of LEED BD+C project is required to fulfill the Prerequisite: Integrative Project Planning and Design?
67. Hospitality
68. Retail
69. Healthcare
70. Schools
71. New Construction
72. What should be included in the LEED action plan for the prerequisite: Integrative Project Planning and Design? [Choose three]
73. Number of LEED professionals on the design team
74. LEED certification level to pursue
75. LEED credits to achieve
76. Prerequisites that the project will not be able to achieve
77. Team member responsibilities for meeting LEED requirements
78. At what phase in the project planning should project teams address the requirements for the prerequisite: Integrative Project Planning and Design?
79. Programming
80. Programming and pre-design
81. Schematic design
82. Pre-schematic design
83. Which of these describes triple bottom line values? [Choose three]
84. Economic
85. Ecological
86. Environmental
87. Social
88. Shared
89. What type of design and decision making approach should project teams use for building design, construction and operational strategies?
90. Interpretive
91. Interdisciplinary
92. Isolated
93. Integrated
94. Informational
95. Who should attend the preliminary LEED meeting for the prerequisite: Integrative Project Planning and Design?
96. Owner and a minimum of four key project team members
97. Owner and a maximum of four key project team members
98. Owner or owner’s representative and a maximum of four key project team members
99. Owner or owner’s representative and a minimum of four key project team members
100. At what phase is it preferable that the project team conduct a design charrette for the prerequisite: Integrative Project Planning and Design?
101. Before construction documents
102. After construction documents
103. At 50% construction documents
104. Before schematic design
105. For projects to achieve the credit: Integrative Process what systems must they analysis prior to the completion of the construction documents? [Choose two]
106. Fire Protection
107. Energy-Related
108. Domestic Hot Water
109. Water-Related
110. Building Envelope
111. What is a strategy project teams could use to help reduce the amount of electricity used by a building?
112. Limit the number of employees in the building at one time
113. Provide cell phone charging stations
114. Reduce demand from plug and process loads
115. Paint the interior walls and ceiling white
116. For the credit: Integrative Process in the discovery phase what type of energy modeling analysis must project teams complete?
117. Open box
118. Simple box
119. Whole building
120. Integrative
121. A LEED BD+C: Retail project has assembled a team and is performing the requirements for earning the credit: Integrative Process. Which of these are nonpotable water supply sources found on-site? [Choose three]
122. Captured rainwater
123. Recycled graywater
124. Well water
125. Cooling tower condensate
126. Municipally supplied nonpotable water
127. What type of equipment must be considered when estimating the total process water demand volume for a building? [Choose three]
128. Kitchen
129. Toilets
130. Urinals
131. Cooling tower
132. Laundry
133. Irrigation
134. Which of these strategies could help a project to reduce the building’s indoor water demand volume and potentially earn LEED credits? [Choose three]
135. Low flow toilets and Waterless urinals
136. Metered lavatory faucets
137. Captured graywater used for flushing toilets
138. ENERGY STAR dishwasher