

# US Green Building Council LEED-AP-ID-C

U.S. Green Building Council: LEED® AP Interior Design +  
Construction

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## Question: 1

The project team for a bank project located in a mall is wondering whether they can earn Location and Transportation Credit Surrounding Density and Diverse Uses, Option 2. Diverse Uses. When evaluating a map of nearby diverse uses, which of the following would you recommend to be entered in the calculation?

- A. Health club, Laundromat, Post office, Restaurant
- B. Hair salon, Movie Theater, Pharmacy, Restaurant
- C. Clothing store, Commercial office, Eye doctor, Supermarket
- D. Convenience store, Furniture store, Hardware store, Pharmacy

**Answer: C**

Explanation:

To earn the LEED Location and Transportation Credit for Surrounding Density and Diverse Uses, Option 2, the project's main entrance must be within a half-mile walking distance of at least seven different publicly accessible uses. The uses must be from separate categories as defined by LEED1. The options provided in answer C represent four distinct categories: retail (clothing store), business (commercial office), health (eye doctor), and food (supermarket), making it the most suitable choice for the calculation.

Reference: This information aligns with the guidelines provided in the LEED v4 for Interior Design and Construction reference guide, specifically under the Location and Transportation Credit: Surrounding Density and Diverse Uses1.

## Question: 2

In the pre-design phase, a plumbing engineer identified that the low-flow fixtures which met the Owner's requirements could achieve total reductions in indoor water usage of 39%. Which strategies should be assessed to meet the Owner's Project Requirements goals of 45% reduction?

- A. Switching from municipally supplied potable water to potable well water on-site
- B. Reducing irrigation needs by planting native species and drought-tolerant species
- C. Reducing potable water supply by limiting occupant access to drinking fountains and public restrooms
- D. Reducing process water demand by assessing kitchen and laundry equipment selection and operational. schedules

**Answer: D**

Explanation:

To achieve the Owner's Project Requirements of a 45% reduction in indoor water usage, the strategy

should focus on reducing process water demand. This can be done by evaluating the efficiency of kitchen and laundry equipment and optimizing their operational schedules to minimize water use. This approach targets water-intensive processes within the building, offering a significant opportunity for water savings.

Reference: The LEED v4 Reference Guide for Interior Design and Construction outlines strategies for reducing water use, which includes optimizing process water use as a means to achieve water efficiency within a building<sup>12</sup>.

### Question: 3

Which project team members should be present at a goal setting workshop when using an Integrative Process project approach?

- A. Only the design team members
- B. Owner, designer, and contractor
- C. All principal project team members
- D. Project team members with LEED® Credentials

**Answer: C**

Explanation:

In an Integrative Process project approach, it is essential for all principal project team members to be present at a goal-setting workshop. This includes not just the design team, but also the owner, contractor, and other key stakeholders. The integrative process is collaborative and requires the input and expertise of all principal team members to set goals that are informed by each discipline's perspective, ensuring a holistic approach to the project<sup>1</sup>.

Reference:

LEED v4: Interior Design + Construction Guide<sup>2</sup>  
Understanding Integrative Design in LEEDv4<sup>1</sup>

### Question: 4

For the achievement of Materials and Resources Credit, Interiors Life Cycle Impact Reduction, Option 1. Interior Reuse, how are hazardous materials accounted for in the calculation?

- A. Included in the numerator only
- B. Included in the denominator only
- C. Included in both the numerator and denominator
- D. Excluded from both the numerator and denominator

**Answer: D**

Explanation:

For the LEED AP ID+C V4 Materials and Resources Credit, under Interiors Life Cycle Impact Reduction,

Option 1: Interior Reuse, hazardous materials that are remediated as part of the project must be excluded from the calculation. This ensures that the assessment of reused materials does not inadvertently promote the retention of hazardous substances in the interior space.

Reference: The information is based on the guidelines provided by the U.S. Green Building Council, specifically for the LEED v4 Interior Design and Construction rating system, which outlines the exclusion of hazardous materials from life cycle impact calculations<sup>1</sup>.

## Question: 5

Which of the following would contribute to the Location and Transportation Credit, Surrounding Density and Diverse Uses, Option 2. Diverse Uses?

- A. An existing bus stop located 1/4 mi. (0.40 km) away from the LEED project's main entrance
- B. An existing restaurant that is 3/4 mi. (1.20 km) away from the LEED project's main entrance
- C. An existing fast-food restaurant with no drive-in service located 1/8 mi. (0.20 km) away from the LEED project's main entrance
- D. A planned school that will be occupied within 18 months of the date of the LEED project's initial certificate of occupancy and is located 1/4 mi. (0.40 km) away from the LEED project's main entrance

**Answer: C**

Explanation:

Option 2 of the Location and Transportation Credit, Surrounding Density and Diverse Uses, requires that the project's main entrance be within a 1/2-mile walking distance of at least seven operational and publicly accessible uses. The existing fast-food restaurant without a drive-in service, being only 1/8 mi. away, meets the criteria for proximity and is considered a diverse use under this credit<sup>1</sup>.

Reference:

LEED v4 for Interior Design and Construction (ID+C): Reference Guide<sup>2</sup>.

LEED Credit Library: Surrounding Density and Diverse Uses<sup>3</sup>.

Firstgreen Consulting: LEED Certification- Requirements for LT Credit: Surrounding Density and Diverse Uses<sup>1</sup>.

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