

LEED-AP-Homes Valid Exam Vce | Hot LEED-AP-Homes Questions



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You will notice the above features in the USGBC LEED-AP-Homes Web-based format too. But the difference is that it is suitable for all operating systems. There is no need to go through time-taking installations or agitating plugins to use this format. It will lead to your convenience while preparing for the LEED AP Homes (Residential) Exam (LEED-AP-Homes) certification test. Above all, it operates on all browsers.

USGBC LEED-AP-Homes Exam Syllabus Topics:

| Topic | Details |
|-------|---------|
| | |

| | |
|---------|---|
| Topic 1 | <ul style="list-style-type: none"> • Energy and Atmosphere: This section of the exam measures the skills of a Green Building Engineer. It includes evaluating the principles of energy efficiency, performance optimization, and emissions reduction in residential design, all critical to minimizing environmental impact while meeting occupant needs. |
| Topic 2 | <ul style="list-style-type: none"> • Innovation: This section of the exam measures the skills of a Design Innovation Lead. It invites professionals to explore creative and exemplary strategies that surpass standard credits—such as pilot projects or pioneering sustainability solutions—demonstrating forward-thinking in residential design. |
| Topic 3 | <ul style="list-style-type: none"> • LEED Process: This section of the exam measures the skills of a Green Building Consultant. It covers the comprehensive framework of the LEED Homes certification process, from understanding project eligibility and roles—such as green raters and quality assurance designees—to navigating certification requirements, the LEED verification process, and documentation submission to GBCI. |
| Topic 4 | <ul style="list-style-type: none"> • Location & Transportation: This section of the exam measures the skills of an Environmental Planner. It focuses on how homes integrate with their surroundings and connect to transportation networks, emphasizing sustainable siting strategies aligned with urban planning practices. |
| Topic 5 | <ul style="list-style-type: none"> • Indoor Environmental Quality: This section of the exam measures the skills of an Architectural Designer. It addresses indoor air health, natural light, and ventilation requirements to ensure occupant comfort and durability, reflecting a home's capacity to provide a healthy and lasting living environment. |

USGBC LEED AP Homes (Residential) Exam Sample Questions (Q64-Q69):

NEW QUESTION # 64

What is the advantage of using native and adapted plant species instead of conventional turf?

- A. Increased stormwater runoff
- **B. Decreased frequency of mowing**
- C. Decreased wildlife habitat
- D. Increased use of potable water

Answer: B

Explanation:

The LEED for Homes Rating System (v4) promotes the use of native and adapted plants in the Water Efficiency (WE) Credit: Outdoor Water Use and Sustainable Sites (SS) Credit: Site Development - Protect or Restore Habitat to reduce maintenance and environmental impacts compared to conventional turf.

According to the LEED Reference Guide for Homes Design and Construction (v4):

WE Credit: Outdoor Water Use (1-4 points)

Native and adapted plant species require less maintenance, including decreased frequency of mowing, compared to conventional turf grass, which often needs frequent cutting to maintain appearance.

Source: LEED Reference Guide for Homes Design and Construction, v4, Water Efficiency Credit: Outdoor Water Use, p. 98.

The LEED v4.1 Residential BD+C rating system confirms:

WE Credit: Outdoor Water Use

Using native and adapted plants reduces maintenance demands, such as mowing frequency, compared to turf grass, while also lowering irrigation needs.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The correct answer is decreased frequency of mowing (Option C), as native and adapted plants typically require less frequent maintenance than turf grass.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, SS Credit: Rainwater Management, p. 76.

B). Decreased wildlife habitat: Native plants increase wildlife habitat, not decrease it, as per Question 75.

Reference: LEED Reference Guide for Homes Design and Construction, v4, SS Credit: Site Development - Protect or Restore Habitat, p. 74.

D). Increased use of potable water: Native plants reduce potable water use due to lower irrigation needs.

Reference: LEED Reference Guide for Homes Design and Construction, v4, WE Credit: Outdoor Water Use, p. 98.

The LEED AP Homes Candidate Handbook emphasizes WE and SS credits, including benefits of native plants, and references the LEED Reference Guide for Homes Design and Construction as a key resource.

The exam is based on LEED v4, ensuring the relevance of maintenance reduction.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Water Efficiency Credit:

Outdoor Water Use, p. 98.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming native plant advantages.

NEW QUESTION # 65

Energy simulation software used for ENERGY STAR Homes certification is approved by the:

- A. U.S. Green Building Council (USGBC)
- B. Department of Energy (DOE)
- C. Residential Energy Services Network (RESNET)
- D. Environmental Protection Agency (EPA)

Answer: C

Explanation:

The LEED for Homes Rating System (v4) integrates ENERGY STAR Homes certification as part of the Energy and Atmosphere (EA) category, specifically for the EA Prerequisite: Minimum Energy Performance and EA Credit: Annual Energy Use. ENERGY STAR Homes certification requires energy simulation software to model the home's performance, and this software must be approved by a specific authority.

According to the LEED Reference Guide for Homes Design and Construction (v4):

EA Prerequisite: Minimum Energy Performance

Projects pursuing ENERGY STAR for Homes certification must use energy simulation software accredited by the Residential Energy Services Network (RESNET) to demonstrate compliance with ENERGY STAR performance requirements.

Source: LEED Reference Guide for Homes Design and Construction, v4, Energy and Atmosphere Prerequisite: Minimum Energy Performance, p. 112.

The Residential Energy Services Network (RESNET) is the organization responsible for accrediting energy modeling software used for ENERGY STAR Homes certification, such as REM/Rate or Ekotrope. RESNET establishes standards for Home Energy Rating Systems (HERS) and ensures software accuracy for energy performance calculations.

The LEED v4.1 Residential BD+C Rating system aligns with this:

EA Prerequisite: Energy Performance

ENERGY STAR Homes certification requires the use of RESNET-accredited energy modeling tools to verify performance targets, such as HERS index scores.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

While the Environmental Protection Agency (EPA) oversees the ENERGY STAR program, it does not directly approve the simulation software; that responsibility lies with RESNET.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, EA Prerequisite: Minimum Energy Performance, p. 112.

B). U.S. Green Building Council (USGBC): The USGBC administers LEED but does not approve ENERGY STAR software. It references ENERGY STAR requirements in LEED credits. Reference: LEED Reference Guide for Homes Design and Construction, v4, EA Prerequisite: Minimum Energy Performance, p. 112.

C). Environmental Protection Agency (EPA): The EPA manages ENERGY STAR but delegates software accreditation to RESNET for consistency in HERS ratings. Reference: ENERGY STAR Residential New Construction Program Requirements, accessed via www.energystar.gov.

The LEED AP Homes Candidate Handbook emphasizes EA prerequisites and credits, including ENERGY STAR integration, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of RESNET's role.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Energy and Atmosphere Prerequisite: Minimum Energy Performance, p. 112.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on

LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

RESNET Standards, accessed via www.resnet.us, confirming software accreditation.

NEW QUESTION # 66

In order for a project to earn Innovation Credit, LEED AP for Homes, the LEED AP for Homes must be a principal member of the:

- A. Project team and possess the credential prior to preliminary rating
- **B. Project team and possess the credential prior to project registration**
- C. Verification team and possess the credential prior to preliminary rating
- D. Verification team and possess the credential prior to project registration

Answer: B

Explanation:

The LEED for Homes Rating System (v4) includes the Innovation (IN) Credit: LEED Accredited Professional, which awards a point for having a LEED AP for Homes as a principal member of the project team to guide sustainable design and certification.

According to the LEED Reference Guide for Homes Design and Construction (v4):

IN Credit: LEED Accredited Professional (1 point)

At least one principal participant of the project team must be a LEED AP for Homes and hold the credential prior to project registration. The LEED AP must be actively involved in the project to ensure effective implementation of LEED strategies.

Source: LEED Reference Guide for Homes Design and Construction, v4, Innovation Credit: LEED Accredited Professional, p. 189.

The LEED v4.1 Residential BD+C Rating system confirms:

IN Credit: LEED Accredited Professional

The LEED AP for Homes must be a principal member of the project team (not the verification team) and possess the credential before project registration to earn the credit.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The correct answer is project team and possess the credential prior to project registration (Option B), as this meets the credit's requirements for the LEED AP's role and timing.

Why not the other options?

* A. Project team and possess the credential prior to preliminary rating: The credential must be held before project registration, not preliminary rating.

* C. Verification team and possess the credential prior to preliminary rating: The LEED AP must be on the project team, not the verification team.

Reference: LEED Reference Guide for Homes Design and Construction, v4, IN Credit: LEED Accredited Professional, p. 189.

The LEED AP Homes Candidate Handbook emphasizes IN credits, including the LEED AP role, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of the project team requirement.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Innovation Credit: LEED Accredited Professional, p. 189.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming LEED AP requirements.

NEW QUESTION # 67

A project team plans to use certified lumber for all the floors on a project. Which of the following measures does the builder need to take to achieve points that contribute to Materials and Resources Credit, Environmentally Preferable Products?

- A. Notify all suppliers of project requirement for Forest Stewardship Council (FSC) certified lumber
- B. Purchase all lumber from Sustainable Forestry Initiative (SFI) certified mills
- C. Include Sustainable Forestry Initiative (SFI) certified lumber in all plans and specifications
- **D. Collect all vendor chain of custody (COC) certificates to document the use of FSC certified materials**

Answer: D

Explanation:

The LEED for Homes Rating System (v4) awards points for the Materials and Resources (MR) Credit:

Environmentally Preferable Products when using certified lumber, specifically Forest Stewardship Council (FSC) certified wood, which ensures sustainable forestry practices. Documentation is critical to verify compliance.

According to the LEED Reference Guide for Homes Design and Construction (v4):

MR Credit: Environmentally Preferable Products (1-4 points)

Use products that meet one or more of the following criteria for at least 25%, 50%, or 90% (by cost) of the total materials:

* FSC-certified wood: Wood products certified by the Forest Stewardship Council. Projects must provide chain of custody (COC) certificates from vendors to document that the wood is FSC-certified, verifying sustainable sourcing. Source: LEED Reference Guide for Homes Design and Construction, v4, Materials and Resources Credit: Environmentally Preferable Products, p. 160-161.

The LEED v4.1 Residential BD+C rating system confirms:

MR Credit: Environmentally Preferable Products

To earn points for FSC-certified wood, projects must collect chain of custody (COC) certificates from suppliers to document that the lumber meets FSC standards.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

To achieve points, the builder must collect all vendor chain of custody (COC) certificates to document the use of FSC certified materials (Option D). COC certificates trace the wood from FSC-certified forests to the project, ensuring compliance with the credit's requirements.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, MR Credit: Environmentally Preferable Products, p. 160.

B). Include Sustainable Forestry Initiative (SFI) certified lumber in all plans and specifications: SFI is not acceptable for this credit, and plans alone do not verify actual use; COC documentation is required.

Reference: LEED Reference Guide for Homes Design and Construction, v4, MR Credit: Environmentally Preferable Products, p. 160.

C). Notify all suppliers of project requirement for Forest Stewardship Council (FSC) certified lumber:

Notification is a good practice but insufficient without COC certificates to document compliance. Reference:

LEED Reference Guide for Homes Design and Construction, v4, MR Credit: Environmentally Preferable Products, p. 161.

The LEED AP Homes Candidate Handbook emphasizes MR credits, including Environmentally Preferable Products, and references the LEED Reference Guide for Homes Design and Construction as a key resource.

The exam is based on LEED v4, ensuring the relevance of FSC COC documentation.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Materials and Resources Credit: Environmentally Preferable Products, p. 160-161.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming FSC documentation requirements.

NEW QUESTION # 68

A home has a large shower compartment of 3,750 in² (2.4 m²) with dual 1.5 gpm (5.6 lpm) shower heads.

How should the flow rate be calculated?

- A. The flow rate is calculated as two separate compartments of 1.5 gpm (5.6 lpm)
- **B. Multiple shower heads are not allowed**
- C. Shower compartment size does not affect shower head flow rates for LEED compliance
- D. The flow rates are added to total 3.0 gpm (11.2 lpm)

Answer: B

Explanation:

The LEED for Homes Rating System (v4) addresses shower compartments in the Water Efficiency (WE) Credit: Indoor Water Use, where the size and number of showerheads impact water use calculations.

According to the LEED Reference Guide for Homes Design and Construction (v4):

WE Credit: Indoor Water Use (1-6 points)

A shower compartment is defined as an enclosed area with a floor area of no more than 2,500 in² (1.6 m²), where all fixtures (e.g., multiple showerheads) count as a single fixture for water use calculations.

Compartments larger than 2,500 in² are considered multiple compartments, and multiple showerheads in such cases are not allowed for LEED compliance to ensure water efficiency.

Source: LEED Reference Guide for Homes Design and Construction, v4, Water Efficiency Credit: Indoor Water Use, p. 96.

The LEED v4.1 Residential BD+C Rating system confirms:

WE Credit: Indoor Water Use

For shower compartments exceeding 2,500 in² (1.6 m²), multiple showerheads are not permitted to maintain water efficiency goals.

Each compartment must be treated separately if applicable, but large compartments cannot have multiple heads.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The shower compartment is 3,750 in² (2.4 m²), exceeding the 2,500 in² limit. Therefore, multiple showerheads are not allowed (Option C), as LEED restricts multiple heads in oversized compartments to ensure water efficiency.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, WE Credit: Indoor Water Use, p.

96.

B). The flow rate is calculated as two separate compartments of 1.5 gpm (5.6 lpm): The compartment is one unit, and multiple heads are not allowed, not treated as separate compartments. Reference: LEED Reference Guide for Homes Design and Construction, v4, WE Credit: Indoor Water Use, p. 96.

D). Shower compartment size does not affect shower head flow rates for LEED compliance:

Compartment size directly affects whether multiple heads are allowed. Reference: LEED Reference Guide for Homes Design and Construction, v4, WE Credit: Indoor Water Use, p. 96.

The LEED AP Homes Candidate Handbook emphasizes WE credits, including showerhead calculations, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of compartment size restrictions.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Water Efficiency Credit:

Indoor Water Use, p. 96.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming showerhead restrictions.

NEW QUESTION # 69

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After successful completion of the USGBC LEED-AP-Homes certification, the certified candidates can put their career on the right track and achieve their professional career objectives in a short time period. For the recognition of skills and knowledge, more career opportunities, professional development, and higher salary potential, the USGBC LEED-AP-Homes Certification Exam is the proven way to achieve these tasks quickly.

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