

- [Credits](#)
- [Sustainable sites](#)
  - [Awareness & education](#)
  - [Energy & atmosphere](#)
  - [Indoor environmental quality](#)
  - [Innovation & design process](#)
  - [Location & linkages](#)
  - [Material & resources](#)
  - [Sustainable sites](#)
  - [Water efficiency](#)
- [SSc1 | Heat island reduction](#)
  - [MSSc1 | Site stewardship in mid-rise buildings](#)
  - [MSSc2 | Landscaping in mid-rise buildings](#)
  - [MSSc3 | Local heat island effects in mid-rise buildings](#)
  - [MSSc4 | Surface water management in mid-rise buildings](#)
  - [MSSc6 | Compact development in mid-rise buildings](#)
  - [MSSc7 | Alternative transportation in mid-rise buildings](#)
  - [SS1 | LEED certified design and construction](#)
  - [SS101 | Construction activity pollution prevention](#)
  - [SS102 | Environmental site assessment](#)
  - [SS103 | Site management policy](#)
  - [SS104 | Site assessment](#)
  - [SS105 | Site development - protect or restore habitat](#)
  - [SS105 | Site development - protect or restore habitat](#)
  - [SS105 | Site development - protect or restore habitat](#)
  - [SS106 | Site development - protect or restore habitat](#)
  - [SS107 | Open space](#)
  - [SS108 | Rainwater management](#)
  - [SS108 | Rainwater management](#)
  - [SS109 | Rainwater management](#)
  - [SS109 | Rainwater management](#)
  - [SS11 | Connection to the natural world](#)
  - [SS110 | Heat island reduction](#)
  - [SS110 | Heat island reduction](#)
  - [SS111 | Heat island reduction](#)
  - [SS112 | Light pollution reduction](#)
  - [SS112 | Light pollution reduction](#)
  - [SS113 | Light pollution reduction](#)
  - [SS114 | Site master plan](#)
  - [SS115 | Tenant design and construction guidelines](#)
  - [SS116 | Places of respite](#)
  - [SS117 | Direct exterior access](#)
  - [SS118 | Site management](#)
  - [SS119 | Site improvement plan](#)
  - [SS120 | Joint use of facilities](#)
  - [SS121 | Joint use of facilities](#)
  - [SS2 | Site management](#)
  - [SS3 | Brownfield redevelopment](#)
  - [SS3.1 | Integrated pest management, erosion control, and landscape management plan](#)
  - [SS4 | Minimized site disturbance](#)
  - [SS5.1 | Site development - protect and restore habitat](#)
  - [SS5.2 | Site development - open space](#)
  - [SS6 | Rainwater management](#)
  - [SS7 | Heat island reduction](#)
  - [SS8 | Light pollution reduction](#)
  - [SS9.1 | Site master plan](#)
  - [SS9.2 | Tenant design and construction guidelines](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | LEED certified design and construction](#)
  - [SSc1 | Site stewardship](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | LEED certified design and construction](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Plan for green site and building exterior management](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Heat island reduction](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Site selection](#)
  - [SSc1 | Site selection](#)
  - [SSc10 | Joint use of facilities](#)
  - [SSc10 | Joint use of facilities](#)
  - [SSc2 | Landscaping](#)
  - [SSc2 | Development density and community connectivity](#)
  - [SSc2 | Development density and community connectivity](#)
  - [SSc2 | Development density and community connectivity](#)
  - [SSc2 | Development density and community connectivity](#)
  - [SSc2 | Development density and community connectivity](#)
  - [SSc2 | Building exterior and hardscape management plan](#)
  - [SSc2 | Development density and community connectivity](#)
  - [SSc2 | Building exterior and hardscape management plan](#)
  - [SSc2 | Development density and community connectivity](#)
  - [SSc2 | High development density building and area](#)
  - [SSc2 | Development density and community connectivity](#)
  - [SSc2 | Development density and community connectivity](#)



- o [SSc5.1 | Site development: protect or restore habitat](#)
- o [SSc5.1 | Site development - protect or restore habitat](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development: maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc5.2 | Site development - maximize open space](#)
- o [SSc6 | Stormwater quantity control](#)
- o [SSc6 | Compact development](#)
- o [SSc6 | Stormwater management](#)
- o [SSc6.1 | Stormwater design - quantity control](#)
- o [SSc6.1 | Stormwater design - quantity control](#)
- o [SSc6.1 | Stormwater design - quantity control](#)
- o [SSc6.1 | Stormwater design - quantity control](#)
- o [SSc6.1 | Heat island reduction - non-roof](#)
- o [SSc6.1 | Stormwater design - quantity control](#)
- o [SSc6.1 | Stormwater design - quantity control](#)
- o [SSc6.1 | Stormwater management - rate and quantity](#)
- o [SSc6.1 | Stormwater management - rate and quantity](#)
- o [SSc6.1 | Stormwater design: quantity control](#)
- o [SSc6.1 | Stormwater design - quantity control](#)
- o [SSc6.2 | Stormwater design - quality control](#)
- o [SSc6.2 | Stormwater design - quality control](#)
- o [SSc6.2 | Stormwater design - quality control](#)
- o [SSc6.2 | Heat island reduction - roof](#)
- o [SSc6.2 | Stormwater design - quality control](#)
- o [SSc6.2 | Stormwater design - quality control](#)
- o [SSc6.2 | Stormwater management - treatment](#)
- o [SSc6.2 | Stormwater management - treatment](#)
- o [SSc6.2 | Stormwater design: quality control](#)
- o [SSc6.2 | Stormwater design - quality control](#)
- o [SSc7 | Light pollution reduction](#)
- o [SSc7.1 | Heat island effect - nonroof](#)
- o [SSc7.1 | Heat island effect - nonroof](#)
- o [SSc7.1 | Heat island effect - nonroof](#)
- o [SSc7.1 | Heat island effect - non-roof](#)
- o [SSc7.1 | Heat island reduction - non-roof](#)
- o [SSc7.1 | Heat island effect - non-roof](#)
- o [SSc7.1 | Heat island effect - non-roof](#)
- o [SSc7.1 | Heat island effect - non-roof](#)
- o [SSc7.1 | Heat island effect - non-roof](#)
- o [SSc7.1 | Landscape and exterior design to reduce heat islands - non-roof](#)
- o [SSc7.1 | Heat island effect: non-roof](#)
- o [SSc7.1 | Heat island effect - nonroof](#)
- o [SSc7.2 | Heat island effect - roof](#)
- o [SSc7.2 | Heat island effect - roof](#)
- o [SSc7.2 | Heat island effect - roof](#)
- o [SSc7.2 | Heat island reduction - roof](#)
- o [SSc7.2 | Heat island effect - roof](#)
- o [SSc7.2 | Heat island effect - roof](#)
- o [SSc7.2 | Heat island effect - roof](#)
- o [SSc7.2 | Heat island effect - roof](#)
- o [SSc7.2 | Landscape and exterior design to reduce heat islands - roof](#)
- o [SSc7.2 | Heat island effect: non-roof](#)
- o [SSc7.2 | Heat island effect - roof](#)
- o [SSc7.3 | Heat island effect: non-roof](#)
- o [SSc7.4 | Heat island effect: roof](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc8 | Light pollution reduction](#)
- o [SSc9 | Site master plan](#)
- o [SSc9 | Tenant design and construction guidelines](#)
- o [SSc9 | Site master plan](#)
- o [SSc9 | Tenant design and construction guidelines](#)
- o [SSc9 | Tenant design and construction guidelines](#)
- o [SSc9.1 | Connection to the natural world - places of respite](#)
- o [SSc9.2 | Connection to the natural world - direct exterior access for patients](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Erosion and sedimentation control](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Erosion and sedimentation control](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp1 | Construction activity pollution prevention](#)
- o [SSp2 | Environmental site assessment](#)
- o [SSp2 | Environmental site assessment](#)

- o [SSp2 | Age of building](#)
- o [SSp2 | Environmental site assessment](#)
- o [SSp2 | No invasive plants](#)
- o [SSp2 | Environmental site assessment](#)
- o [SSp3 | Age of building](#)



Our "watch" feature allows you to stay current on all aspects of this specific credit. In your account, you can control what you get updated on and how you receive your notifications. [Hide](#)

## LEED BD+C: Multifamily Midrise | v4 - LEED v4

# Heat island reduction

## Possible 2 points

1 result in All .

- [Glossary](#)

### Intent

To minimize effects on microclimates and human and wildlife habitats by reducing heat islands.

### Requirements

Ensure that at least 50% of hardscapes and roofs, but not including common roads that serve multiple buildings, on the project site meet one or more of the following requirements. Points are awarded according to Table 1.

Table 1. Points for percentage area with shading or nonabsorptive material

Percentage of hardscape area	Points
50–75%	1
> 75%	2

Percentage of hardscape area	Points
50–75%	1
> 75%	2

#### Option 1. Shading (1–2 points)

Locate trees or other plantings to provide shading of hardscapes. Shading should be calculated when the sun is directly overhead (noon on the summer solstice), based on ten years' growth after installation.

#### AND/OR

#### Option 2. Nonabsorptive materials (1–2 points)

Install light-colored, high-albedo materials or vegetation-covered hardscapes. Acceptable strategies include the following:

- using ENERGY STAR qualified roof products in appropriately sloped applications applications (or performance equivalent for projects outside the U.S.);
- installing vegetated roofing;
- using open pavers (counting only the vegetation, not the pavers) or engineered grass pavers; and
- Use paving materials with a three-year aged [solar reflectance \(SR\)](#) of at least 0.28. If three-year aged value information is not available, use materials with an initial SR of at least 0.33 at installation.

0 comments [Leave a comment](#)

Leave a comment Don't have an account? [Create one](#)

You must be signed in to leave a comment.

Email

Password