

BEYOND

SMART CITIES

LOCATION AND TRANSPORTATION - GREEN

BUILDING TECHNOLOGY TRAINING PROGRAM

FOR GREEN BUILDING AND SUSTAINABILITY SPECIALISTS

KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP

GREEN BUILDING SPECIALIST CURRICULUM

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LEED FOR NEIGHBOURHOOD DEVELOPMENT

LOCATION - CREDIT

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LEARNING OBJECTIVES

Intent of LEED for Neighbourhood Development Location - Credit

Behind the intent

Step by Step Guidance

Requirements

Required Documentation

Connection to Ongoing Performance

Terms and Definitions

LT- CR (8-16) - DESIGN

INTENT

To avoid development on inappropriate sites. To reduce vehicle distance traveled. To enhance livability and improve human health by encouraging daily physical activity.

POTENTIAL TECHNOLOGIES & STRATEGIES

Neighborhoods that are part of the program must have a wide range of sustainable features, such as being walkable, having access to public transportation, protecting sensitive land, being connected, and having shared infrastructure.

LEED FOR NEIGHBOURHOOD DEVELOPMENT LOCATION

REQUIREMENTS

Locate the project within the boundary of a development certified under LEED for Neighborhood Development (Stage 2 or Stage 3 under the Pilot or v2009 rating systems, Certified Plan or Certified Built Project under the LEED v4 rating system)

IMPLEMENTATION

REQUIRED DOCUMENTATION

Documentation	All projects
LEED ND project information (name, ID number, rating system and version, certification level, and certification date)	X
Vicinity base map with LEED project boundary and LEED ND-certified neighborhood or plan boundary	X

BEHIND THE INTENT

The LEED for Neighborhood Development (LEED ND) rating system combines principles of smart growth, new urbanism, and green building design and construction to promote sustainable, healthy, and equitable places for neighborhood residents, workers, and visitors. Neighborhoods following the program must exhibit a wide range of sustainability features, such as walkability, transit access, sensitive land protection, connectivity, and shared infrastructure.

Project teams that select a project site in a LEED ND–certified neighborhood or plan have demonstrated a commitment to the fundamental goals of the Location and Transportation credit category: excellent building location and linkages with the surrounding community. The requirement for this credit is that the project be certified (not just registered) under LEED ND, to ensure that all the goals of the LT category are addressed. This credit thereby provides a streamlined alternative to the pursuit of the individual LT credits

STEP-BY-STEP GUIDANCE

STEP 1. IDENTIFY LEED ND NEIGHBORHOOD OR CERTIFIED PLAN AREA FOR POTENTIAL DEVELOPMENT

Identify a potential project site that is located fully within a LEED ND-certified neighborhood or certified plan area.

- Check the USGBC website for up-to-date lists of LEED ND projects.
- Local USGBC chapters in the United States or other green building councils in other countries may also serve as valuable resources for identifying certified or soon-to-be-certified LEED ND neighborhoods.

STEP 2. CONFIRM ELIGIBILITY OF LEED ND PROJECT

Confirm that the LEED ND neighborhood or plan area in which the project is located meets credit criteria by collecting the following information:

- Rating system and rating system version
- Certification designation (Table 2: note differing terminology?)
- Certification level and certification date

TABLE 2. Eligibility by LEED ND certification designation

Version	Eligible	Ineligible
LEED ND PM	Stage 2 LEED for Neighborhood Development Certified Plan	Stage 1 LEED for Neighborhood Development Pre-research Plan
LEED 2009	Stage 3 LEED for Neighborhood Development Certified Plan Stage 2 Pre-certified LEED for Neighborhood Development Plan Stage 1 LEED ND Certified Neighborhood Development	Stage 1 Conditional Approval of LEED ND Plan
LEED v4	LEED for Neighborhood Development Certified Plan LEED for Neighborhood Development Certified Best Project	LEED for Neighborhood Development Conditional Approval

STEP-BY-STEP GUIDANCE

The LEED ND project must have achieved certification to earn this credit. LEED ND projects that have only been registered or submitted for certification review do not qualify.

Project teams must consider the certification timelines of related BD+C and ND projects:

- If an associated neighborhood project is certifying to LEED ND Plan, be sure that the individual building projects are registered before the LEED ND project submits its application for certification.
- If an associated neighborhood project is certifying to LEED ND Plan and all building designs are substantially complete, it is recommended to complete the building design review phase first, then the LEED ND Plan certification. Major overlap exists between building water and energy prerequisites. Completing the building certification first will greatly streamline the LEED ND Plan review process.
- If the associated neighborhood project is certifying to LEED ND, both certifications need to be submitted at approximately the same time, since each depends on the certification (not just registration) of the other.

Delays or appeals of one or both certification reviews could complicate matters. If submission timelines are not coordinated, alert USGBC as early in the documentation process as possible when simultaneous certifications are expected for advice on how to proceed.

STEP 3. DETERMINE POTENTIAL POINTS AVAILABLE FOR LEED ND LOCATION CREDIT AND INDIVIDUAL LT CREDITS

If the LEED ND project is certified and eligible for this credit, compare the available points offered by the other LT credits and the LEED ND Location credit.

STEP 4. DETERMINE FINAL CREDIT ACHIEVEMENT PATHWAY

Select the preferred credit achievement pathway. Projects achieving the LEED ND Location credit are ineligible to pursue additional LT credits.

- LEED ND Location credit is appropriate if the points available for LT Credit LEED for Neighborhood Development Location exceed the potential points available for individual LT credits. The compliance path offered by this credit will likely save a project team time in documentation.
- Individual LT credits are appropriate if the project is in an eligible LEED ND project or certified plan area but can achieve more points by pursuing multiple LT credits. Unavailable the trade-off between additional points and the level of effort required to document them.

If the prospective LEED ND area is ineligible (Table 2), pursue individual LT credits.

STEP 5. GATHER AND CONFIRM LEED ND PROJECT INFORMATION

Contact members of the LEED ND project team to gather the following information:

- Project name and ID number
- Map of certified LEED ND neighborhood or plan boundary



REQUIREMENTS

NC, CS, SCHOOLS, RETAIL, DATA CENTERS, WAREHOUSES & DISTRIBUTION CENTERS, HOSPITALITY, HEALTHCARE

Locate the project within the boundary of a development certified under LEED for Neighborhood Development (Stage 2 or Stage 3 under the Pilot or v2009 rating systems, Certified Plan or Certified Built

Project under the LEED v4 rating system). Projects attempting this credit are not eligible to earn points under other Location and Transportation credits.

Table 1. Points for LEED ND location.

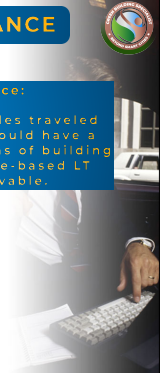
Certification level	Points BD&C	Points BD&C (Core and Shell)	Points BD&C (Schools)	Points BD&C (Healthcare)
Certified	8	8	8	5
Silver	10	12	10	6
Gold	12	16	12	7
Platinum	16	20	15	9



CONNECTION TO ONGOING PERFORMANCE

LEED O+M LT Requirements for Transportation Performance:

Locating a building on a LEEDND site impacts vehicle miles traveled by encouraging and enhancing walkability. This credit would have a significant positive impact on the transportation patterns of building occupants. As a result, this credit makes the performance-based LT prerequisite of "transportation performance" more achievable.



REQUIRED DOCUMENTATION

Documentation	All projects
LEED ND project information (name, ID number, rating system and version, certification level, and certification date)	X
Vicinity base map with LEED project boundary and LEED ND certified neighborhood or plan boundary	X

REFERENCED STANDARDS

NONE

TERMS AND DEFINITIONS

None

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THANK YOU

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