

LEED-ND and Healthy Food Access

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Overview

1. What is LEED for Neighborhood Development?
2. How Does it Promote Food Access and Health?
(both explicitly and implicitly)
3. The *Citizen's Guide to LEED-ND*

What is LEED?

- ◆ “Leadership in Energy and Environmental Design”
- ◆ Point-based Rating Systems
- ◆ Administered by the U.S. Green Building Council



LEED-ND Organization

3 Main Categories

- Smart Location and Linkage (SLL)
- Neighborhood Pattern and Design (NPD)
- Green Infrastructure and Buildings (GIB)

Prerequisites and Credits: 100 Base Points

- Certified (40-49 points)
- Silver (50-59 points)
- Gold (60-79 points)
- Platinum (80+ points)



What Parts of LEED-ND *Explicitly* Promote Healthy Food Access?

- ◆ Agricultural Land Conservation Prerequisite
 - ◆ Local Food Production Credit

Agricultural Land Conservation (SLL Prerequisite 4)

Option 1. Don't disturb any agricultural soils

OR

Option 2. Locate on an infill site

OR

Option 3. Be served by frequent existing transit

OR

Option 4. Be within a legally defined "Development Rights Receiving Area"

OR

Option 5. Mitigate soil loss w/ conservation easements



Local Food Production (NPD Credit 13, 1 point)

Option 1. Provide neighborhood farms or gardens



Project Density (DU/acre)	Required Growing Space
>7 and <14	2 square feet per DU
> 14 and <22	3 square feet per DU
>22 and <28	4 square feet per DU
>28 and <35	5 square feet per DU
>35	6 square feet per DU



Option 2. Provide community-supported agriculture shares (from within 150 miles)

Option 3. Proximity to a Farmer's Market (1/2 mile walk distance)



What Parts of LEED-ND *Implicitly* Promote Food Access and Health?



Answer: Almost all of them!!!



Smart Location and Linkage – Key Topics

- ◆ Smart locations
- ◆ Preserving ecosystems and open spaces
- ◆ Restoring contaminated sites
- ◆ Connected neighborhoods
- ◆ Public transit access



Neighborhood Pattern and Design – Key Topics

- ◆ Walkable streets
- ◆ Mixed uses and community spaces
- ◆ Local food
- ◆ Affordable and diverse neighborhoods
- ◆ Efficient use of land
- ◆ Reduced parking and transportation demand
- ◆ Bicycle-friendly design



Green Infrastructure and Buildings – Key Topics

- ◆ Green construction techniques
- ◆ Energy efficiency in buildings and infrastructure
- ◆ Energy production and distribution
- ◆ Water efficiency in buildings and landscaping
- ◆ Reducing heat islands
- ◆ Stormwater and wastewater
- ◆ Building reuse
- ◆ Light pollution reduction



A Citizen's Guide to LEED-ND (NRDC, R+A 2011)

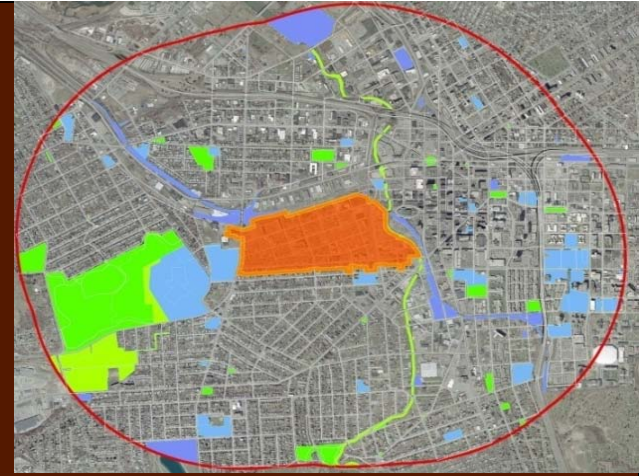
A Citizen's Guide to LEED for Neighborhood Development: How to Tell if Development is Smart and Green



- Key topics in sustainable neighborhood development
- Creative uses for ND in your community
- Annotated ND worksheet by topic

Creative Uses for LEED-ND

1. Evaluate development projects
2. Improve development projects
3. Guide improvements to existing neighborhoods
4. Inform community planning and zoning
5. Inform state and regional policy



STEP 1: Sustainable Neighborhood Development Checklist					Step 2: Optional LEED-ND Scoring Exercise			
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TOPIC	DOES THE PROJECT DO THE FOLLOWING?	YES	MAYBE	NO	LEED-ND POINTS POSSIBLE	PROJECT "YES" POINTS	PROJECT "MAYBE" POINTS	LEED-ND SOURCE CREDIT OR PREREQUISITE
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SMART LOCATION AND LINKAGE (SLL)								
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LOCATION	Is located on a site that is any of the following (only one required for scoring): Infill (75% surrounded by existing development) Well-connected to adjacent development by an existing street network Well-served by transit or neighborhood amenities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Required			Prereq 1: Smart Location
	Is located on a site that is one of the following (pick just one for scoring): Infill and also a previously developed site Infill but not a previously developed site Adjacent to existing development, and also a previously developed site A previously developed site, but not adjacent or infill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5			Credit 1: Preferred Locations
	Is surrounded (within ½ mile) by a well-connected existing street network. If possible, estimate the existing number of intersections per square mile nearby (pick just one for scoring): 200 to 250 intersections per square mile 250 to 300 intersections per square mile 300 to 350 intersections per square mile 350 to 400 intersections per square mile More than 400 intersections per square mile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1			Credit 1: Preferred Locations
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2			
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3			
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4			
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5				
	Is located in an economically distressed area while also providing affordable housing.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3			Credit 1: Preferred Locations

ECOSYSTEMS AND OPEN SPACES	Does not build on habitat where species are threatened, endangered, or imperiled or creates a habitat conservation plan under the Endangered Species Act.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Required			Prereq 2: Imperiled Species
	Does not build on wetlands or water bodies and leaves buffers of undeveloped land around them of at least 50 to 100 feet.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Required			Prereq 3: Wetland/Water Body Conservation
	Does not build on prime agricultural land, unless the project is infill, transit-served, or makes up for soil loss by creating permanently protected soil easements elsewhere.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Required			Prereq 4: Agricultural Land Conservation



Citizen's Guide to LEED-ND:

www.nrdc.org/cities/smartgrowth/leed.asp

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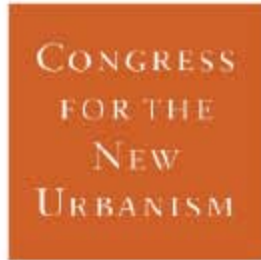
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What LEED-ND Is: A Collaborative Program



**LEED FOR
NEIGHBORHOOD
DEVELOPMENT**