

LEED-ND

Overview

First national standard for sustainable neighborhoods

- > U.S. Green Building Council (green building)
- > The Congress for the New Urbanism (new urbanism)
- > The Natural Resources Defense Council (smart growth)



Proposed - USGBC

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Overview



Categories of Concern:

1. Smart Location and Linkage
2. Neighborhood Pattern & Design
3. Green Construction & Technology

Proposed: "Green Infrastructure & Buildings"

4. Innovation & Design Process
5. NEW: Regional Priority Credits

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Eligible projects

Pilot: any project meeting prerequisites

Proposed:

- > Meet prerequisites
- > At least 2 buildings
- > ~300 acres max
- > Residential, non-residential and mixed-use communities




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Category Overview

Smart Location and Linkage

- > Previously developed, infill, adjacent sites
- > Avoid ecologically valuable areas
- > Walk, bike or transit to jobs, schools and services



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 Smart Location & Linkage

Notable Proposed Changes – SLLp1 “Smart location”

“Infill”: 75% border developed

- Pilot: Project is boundary
- Proposed: Adjacent parcels

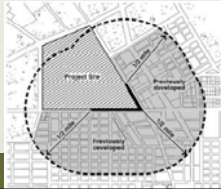


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 Smart Location & Linkage

Notable Proposed Changes – SLLp1 “Smart location”

New “adjacency” option

- 25% of continuous segment of project boundary adjacent to previously developed land with min 90 intersections/mi²
- 25% adjacency portion can be separated from previously developed land by preserved, undeveloped land
- Allows perimeter development but....
- Requires “connectivity”



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 Smart Location & Linkage

Notable Proposed Changes – SLLp4
 “Wetland/water body conservation”

Development in wetlands and buffers

- “Minor improvement” in wetlands allowed
- Variable buffer with minimum total buffer area
- Development in buffer allowed if density thresholds met
- Earn 1 pt under GIBC8, Stormwater Management



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 Smart Location & Linkage

Notable Proposed Changes – SLLp5
 “Agricultural Land Conservation”

Development on prime agricultural land

- Pilot: if >75% prime soils, locate in metro/micropolitan statistical area
- Proposed: if any impacted soils, purchase easement offset
- Density determines ratio of offset to impacted land

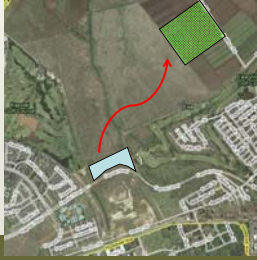


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 Smart Location & Linkage

Notable Proposed Changes – SLLp5 (contd.)
 “Agricultural land conservation”

Development on prime agricultural land

- Example: .5 FAR, 7DU/Acre
- Ratio- 2:1



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 Category Overview

Neighborhood Pattern & Design

- Density and diversity of housing
- Accessible (\$, community, ability)
- Mix of community services
- Pedestrian-oriented environment
- Open space
- Local Food



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 Neighborhood Pattern & Design

Notable Proposed Changes – NPDp1 “Walkable streets”

Elements of “Walkable Streets” credit now a prerequisite

- Principal entries face public space
- Min. building height to street ratio of 3:1
- Continuous sidewalks, both sides
- < 20% garage street frontage




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 Neighborhood Pattern & Design

Notable Proposed Changes – NPDp2 “Compact development”

Higher density requirements for projects with “significant transit”

- Pilot: Density minimum = 12DU/acre, .8 FAR *project-wide*
- Proposed: Density minimum applies to project areas ½ mile walk of transit

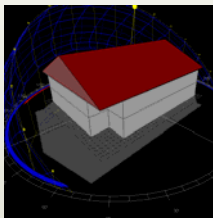


“Significant Transit”:
Bus, rail, ferry: 76 weekday, 50 weekend
Rail only: 40 weekday, 8 weekend

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Category Overview

Green Infrastructure and Buildings (new title)

- LEED Buildings
- Energy- and water-efficiency
- District-scale energy and stormwater
- Planning for passive strategies
- Building reuse and preservation
- Infrastructure efficiency and materials




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Green Infrastructure & Buildings

Notable Proposed Changes – GIBp1
“Certified green building”

At least one, 3rd party-certified building required

- Neighborhood
- New Construction
- Existing Building
- Commercial Interior
- Home

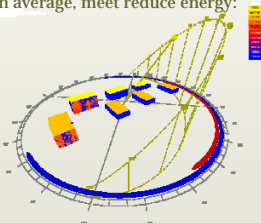


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Green Infrastructure & Buildings

Notable Proposed Changes – GIBp2
“Minimum Building Energy Efficiency”

90% of all total square footage must, on average, meet reduce energy:

- Non-residential
 - 10% (new construction)
 - 5% (major rehabilitation)
- Residential
 - Energy Star or equivalent






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Green Infrastructure & Buildings

Notable Proposed Changes – GIBp3
“Minimum water efficiency”

Water efficiency requirements for flow/flush fixtures

- Non-residential, all buildings
 - 20% reduction, all buildings
- Residential, 90% of buildings
 - Equal to 3 points in Indoor Water Use credit in LEED-H 2008

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 Category Overview





Regional Priority Credits

96813 - LEED ND Proposed Regional Credits

SLLc5	Housing & jobs proximity
SLLc6	Steep slope protection
SLLc9	Long-term conservation habitat/wetlands
NPDc13	Local food production
GIBc5	Existing building reuse
GIBc6	Historic preservation/adaptive reuse

Thank you.

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