What is LEED–ND?

- LEED for Neighborhood Development
- First national standard for neighborhood design
- Developed as a partnership
  - U.S. Green Building Council
  - Congress for New Urbanism
  - Natural Resources Defense Council
- Integrates
  - Smart growth
  - New urbanism
  - Green building
- Promotes
  - Alternative transportation
  - Energy & water efficiency
  - Smart growth
- IN PILOT PHASE
Pilot Program

- Early 2007 call for projects
  - 238 projects accepted
  - Large variation in size

- 2008: Rating system revised based on feedback
  - Large # of projects
    + Large variation in size and location
    = Well vetted rating system

- 2009: Beta version of LEED-ND released
Pilot Project Characteristics

Urban/Rural Split

- All Zip Codes: Urban 78%, Rural 22%
- Pilot Zip Codes: Urban 91%, Rural 9%

Population Density

- All Zip Codes: 1,221 persons/sq. mile
- All Urban Areas: 2,656 persons/sq. mile
- Pilot Zip Codes: 5,890 persons/sq. mile

Transit Commute Share

- All Zip Codes: 4.7%
- All Urban Zip Codes: 6.6%
- Pilot Zip Codes: 11.7%

Walk/Bike Commute Share

- All Zip Codes: 3.5%
- Pilot Zip Codes: 7.5%
Possible LEED-ND Points by Category

- Neighborhood Pattern & Design: 39 points
- Green Construction & Technology: 31 points
- Innovation & Design Process: 6 points
- Smart Location & Linkage: 30 points
Smart Location & Linkage

- 6 Prerequisites

- 30 Points Possible Including:
  - Brownfield redevelopment
  - Bicycle network
  - Housing and jobs proximity
  - School proximity
  - Reduced automobile dependence
Neighborhood Pattern & Design

• 2 Prerequisites

• 39 Points Possible Including:
  • Diversity of uses
  • Affordable rental housing
  • Affordable for-sale housing
  • Walkable streets
  • Reduced parking footprint
  • Local food production
Green Construction & Technology

- 1 Prerequisite

- 31 Points Possible Including:
  - LEED certified buildings
  - Energy efficiency in buildings
  - Infrastructure energy efficiency
  - Reduced water use
  - Heat island reduction
  - Reuse of historic buildings
  - Solar orientation
Certification Process

Stage 1
- USGBC pre-review of plan (not required)
- Letter stating project on track for LEED-ND

Stage 2
- Approvals & entitlements granted
- Certificate stating plan is LEED-ND certified

Stage 3
- Construction is complete
- Plaques issued
Why LEED-ND?

- 1 in 10 preschoolers and 1 in 7 school-age children are overweight
  - Play spaces within walking distance are related to higher levels of childhood physical activity
  - People living in walkable neighborhoods are 2.4x more likely to get the recommended 30 minutes of daily exercise

- MVT has increased at 3x the rate of population growth in recent decades
  - People in high density urban communities are 2x as likely to walk/bicycle instead of drive

- From 1960 to 1990, the percentage of workers with jobs outside their counties of residence increased by 200%
  - Residents in high density urban communities are 2.5x more likely to use mass transit

- Per capita traffic casualties are ~ 4x higher for residents in low-density suburbs than for residents in high-density urban neighborhoods
  - On average, suburban residents drive 3x as much and twice as fast as urban dwellers

- Compared with older drivers, older non-drivers in the U.S. make 15% fewer trips to the doctor and 65% fewer trips for family activities
  - LEED-ND projects provide access to services and public transportation.

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