

Green Building

in the National Capital Region

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MWCOG

What is Green Building?

Green building is an approach to design, construction, and management that reduces the negative impact of buildings on the environment while increasing building performance and occupant health.

2007 Green Building Report

- **Key Recommendations**

- Recommendation 1: Establish LEED as the region's preferred green building rating system for new commercial construction and high-rise residential projects
- Recommendation 2: Establish LEED Silver as the goal for all local government facilities constructed in the metropolitan Washington region.
- Recommendation 3: Establish COG Regional LEED Certified* standard for private commercial and high-rise residential development.

*Additional credits in energy, heat island effects, on-site renewable energy, green power, stormwater design and construction waste management.

U.S.G.B.C.

What is United States Green Building Council?

The Washington, D.C.-based U.S. Green Building Council (USGBC) is a 501 c3 non-profit organization committed to a prosperous and sustainable future for our nation through cost-efficient and energy-saving green buildings.

Mission

To transform the way buildings and communities are designed, built and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves the quality of life.

Vision

Buildings and communities will regenerate and sustain the health and vitality of all life within a generation.

LEED

LEED-Leadership in Energy and Environmental Design
is a certification produced and maintained by the U.S. Green Building Council that promotes efficient design and operation of buildings.



What LEED Measures

- Sustainable Sites
- Water Efficiency
- Energy & Atmosphere
- Materials & Resources
- Indoor Environmental Quality
- Locations & Linkages
- Awareness & Education
- Innovation & Design
- Regional Priority

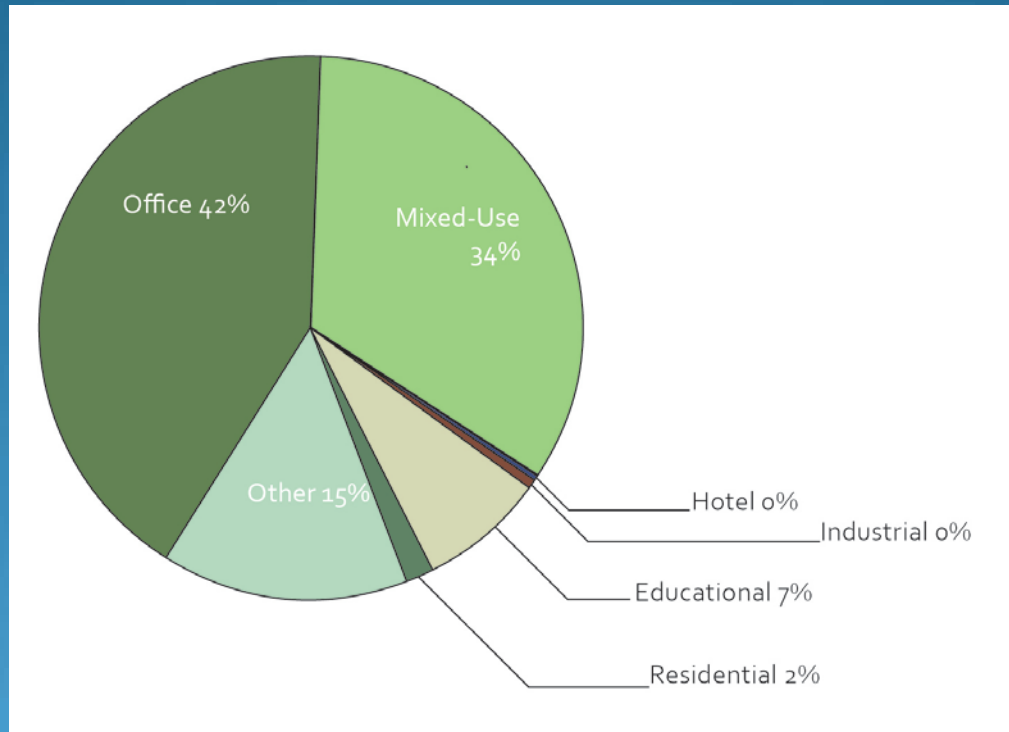
Green Building Trends Report: 2003-2009

Key Points

- **171** LEED certified projects in the region
- **22.9** million Square Feet of Green Building from 2003-2009
- **86 %** of LEED construction from 2003- 2009 was located in Regional Activity Centers
- **64 %** of all 2003-2009 LEED construction was within ½ mile of a Metrorail station

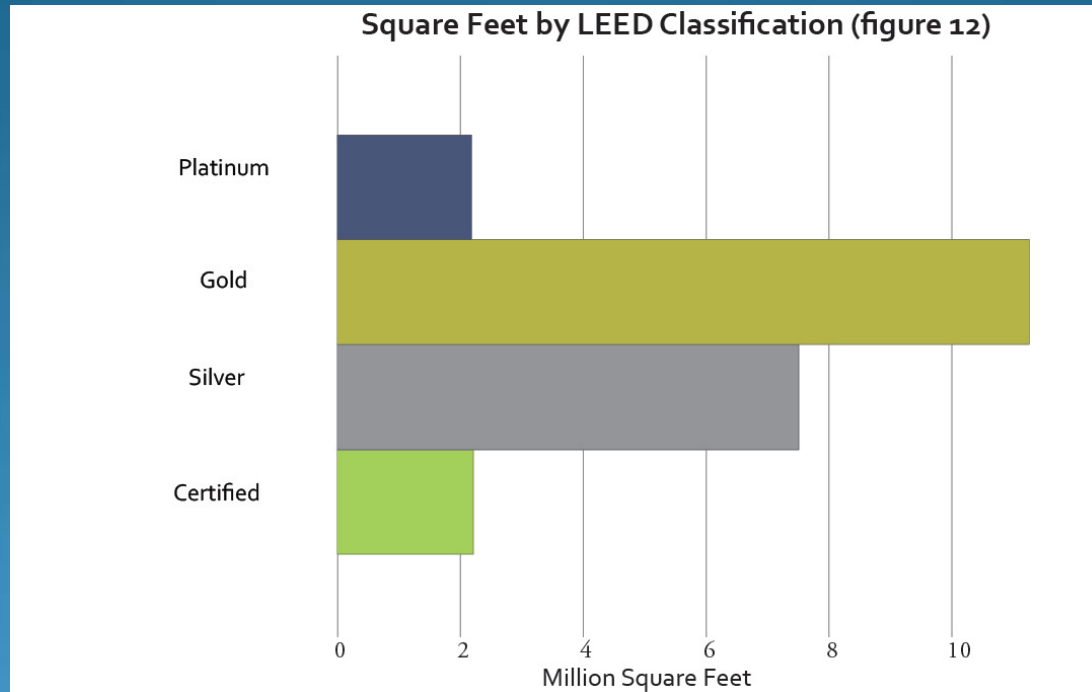


Building Type



Office and Mixed-Use buildings lead LEED Certification

LEED Certification

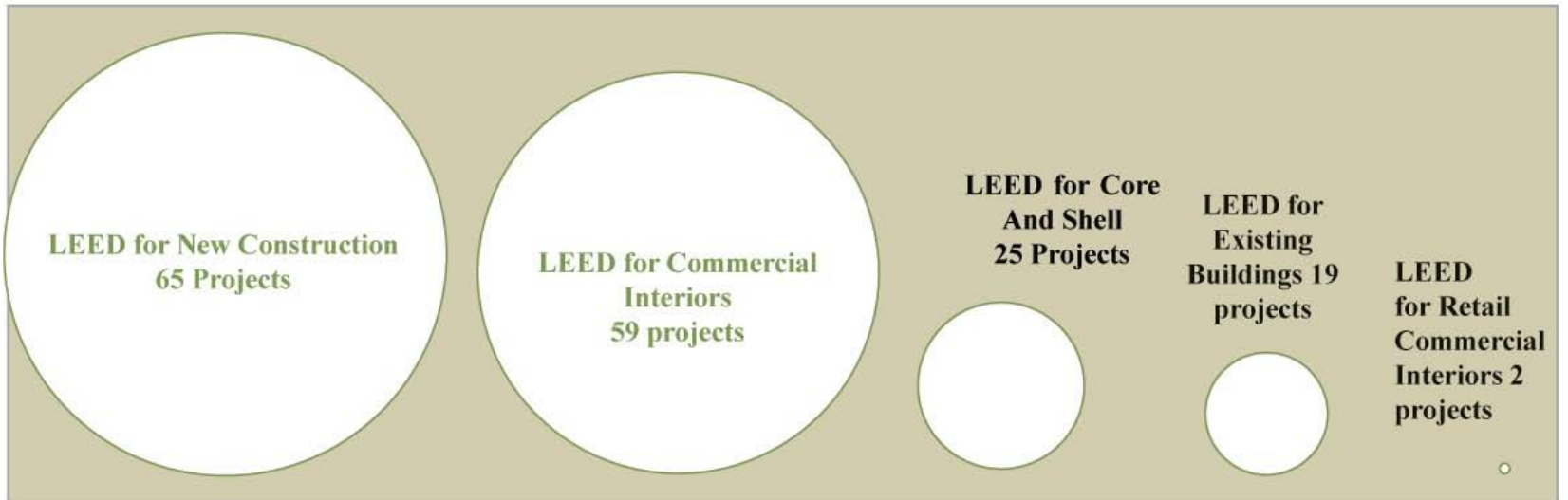


84% of LEED certified projects certified between 2003 and 2009 were LEED Silver or higher

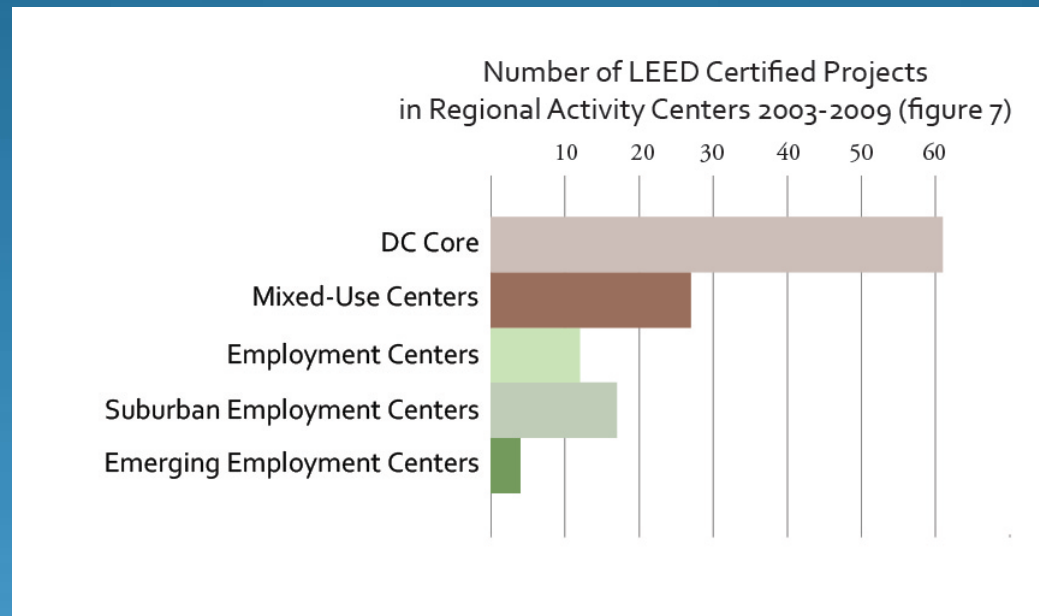
Total Square Feet of LEED certified Projects by Rating System



Number of LEED certified Projects by Rating System

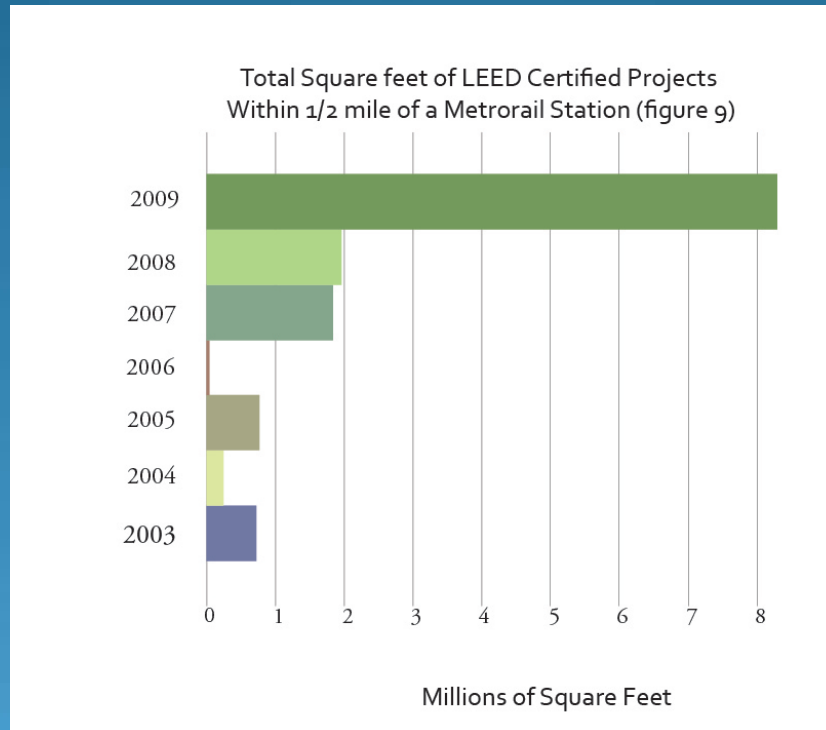


Regional Activity Center Type



LEED projects are most common in DC core and Mixed-Use centers.

Sustainable Development



In recent years more LEED certified projects have been located within 1/2 mile of a Metrorail station

District of Columbia

- 72 LEED certified projects
- 12.5 million square feet of LEED certified projects
- 64 projects in Regional Activity Centers
- The International Monetary Fund Center was the largest project

Maryland

- 40 LEED certified projects
- 3.8 million square feet of LEED certified projects
- 15 projects in Regional Activity Centers
- The Discovery Communications Global Headquarters building was the largest project

Virginia

- 59 LEED certified projects
- 6.6 million square feet of LEED certified projects
- 41 projects in Regional Activity Centers
- TC Williams High School was the largest project

Current IGBG Activities

- Updating the 2007 Green Building Report
 - Expected Outcome:
 - Updating recommendation for commercial and high-rise residential
 - Advocate for regional policy promoting ENERGY STAR benchmarking and disclosure
- Examining Green Schools Best Practices

Questions